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AIRMAN'S INFORMATION MANUAL

AIRPORT/FACILITY DIRECTORY

SECTION IV A



EFFECTIVE 0501 Z **28 APRIL 1966**
To 0501 Z **26 MAY 1966**

FEDERAL AVIATION AGENCY

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AIRPORT/FACILITY DIRECTORY LEGEND

LOCATION

The airport location is given in nautical miles (to the nearest mile) and direction from center of referenced city.

ELEVATION

Elevation is given in feet above mean sea level and is based on highest usable portion of the landing area. When elevation is sea level, elevation will be indicated as "00." When elevation is below sea level, a minus sign (-) will precede the figure.

RUNWAYS

The runway surface length, and weight bearing capacity are listed for the longest instrument runway or sealane, or the longest active landing portion of the runway or strip, given to the nearest hundred feet, using 70 feet as the division point, i.e., 1468 feet would be shown as "14"; 1474 feet would be shown as "15". Runway lengths prefixed by the letter "H" indicates that runways are hard surfaced (concrete; asphalt; bitumen, or macadam with a seal coat). If the runway length is not prefixed, the surface is sod, alay, etc. The total number of runways available is shown in parenthesis. (However, only hard surfaced runways are counted at airfields with both hard surfaced and sod runways.)

RUNWAY WEIGHT BEARING CAPACITY

Add 000 to figure following S, T, TT and MAX for gross weight capacity, e.g., (S-000).

S-Runway weight bearing capacity for aircraft with single-wheel type landing gear. (DC-3), etc.

T-Runway weight bearing capacity for aircraft with twin-wheel type landing gear. (DC-6), etc.

TT-Runway weight bearing capacity for aircraft with twin-tandem type landing gear. (707), etc.

Quadricycle and twin-tandem are considered virtually equal for runway weight bearing considerations, as are single-tandem and twin-wheel.

A blank space following the letter designation is used to indicate the runway weight bearing capacity to sustain aircraft with the same type landing gear, although definite figures are not available, e.g., (T-).

Omission of weight bearing capacity indicates information unknown. Footnote remarks are used to indicate a runway with a weight bearing greater than the longest runway.


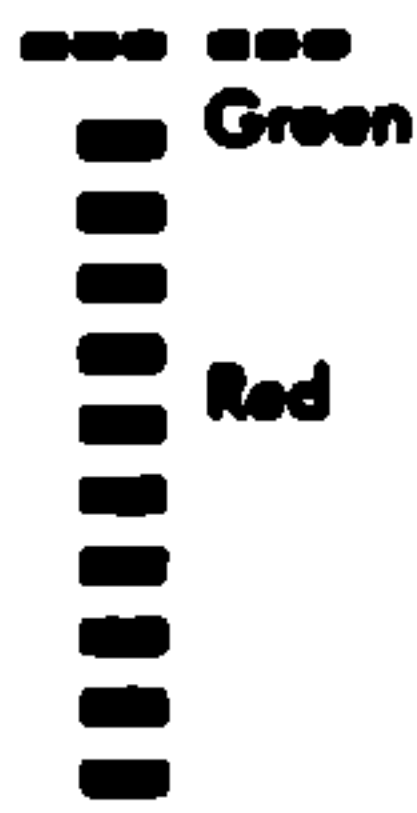
LIGHTING

B: Rotating Light (Rotating beacon). (Green and white, split-beam and other types.) Omission of B indicates rotating light is either not available or not operating standard hours (sunset-sunrise).

NOTE.—Code lights are not codified, and are carried in Remarks.

L: Field Lighting (when code 14-7 is indicated, lighting 4, 5, 6, 7 is available). An asterisk (*) preceding an element indicates that it operates on prior request only (by phone call, telegram or letter). Where the asterisk is not shown, the lights are in operation or available sunset to sunrise or by request (radio call). L by itself indicates temporary lighting, such as flares, smudge pots, lanterns.

- 1—Strip lights or portable runway lights (electrical)
- 2—Boundary
- 3—Runway Floods
- 4—Low Intensity Runway
- 5—Medium Intensity Runway
- 6—High Intensity Runway
- 7—Instrument Approach (neon)
- 8A, B, or C—High Intensity Instrument Approach

| U.S. STANDARD (A) | LEFT SINGLE ROW (HIGH INTENSITY) | NEON LADDER |
|---|---|---|
|  |  |  |

- 9—Sequence Flashing Lights (3,000' out unless otherwise stated)
- 10—Visual Approach Slope Indicator (VASI)
- 11—Runway end Identification lights (threshold strobe) (REIL)
- 12—Short approach light systems (SALS)
- 13—Runway alignment lights (RAIL)
- 14—Runway centerline
- 15—Touchdown zone

Because the obstructions on virtually all lighted fields are lighted, obstruction lights have not been included in the codification.

SERVICING

- S1: Storage.
- S2: Storage, minor airframe repairs.
- S3: Storage, minor airframe and minor powerplant repairs.
- S4: Storage, major airframe and minor powerplant repairs.
- S5: Storage, major airframe and major powerplant repairs.

FUEL

- F1 80 oct., at least.
- F2 80/87 oct., or lower.
- F3 91/96 oct., or lower.
- F4 100/130 performance rating, or lower.
- F5 115/145 performance rating, or lower.

TURBINE FUELS

- TP-1 650 turbine fuels for civil jets.
- JP-1 (Kerosene), JP-3, JP-4, JP-5.

DAYLIGHT SAVING TIME

An airport located in a geographic area which normally converts to daylight saving time will be so identified by use of a code.

The two most common time periods during which daylight time is in effect in the conterminous United States are April 25–September 26 and April 25–October 31, and these are indicated as DT 1 and DT 2 respectively. The code "DT" by itself indicates that daylight time is in effect but not on the common time periods of DT 1 or DT 2. In such cases the applicable time period is footnoted in the airport remarks section.

Reference to daylight time will remain in the Airport Directory continuously.

OTHER

- AOE—Airport of Entry.
- VASI—Visual Approach Slope Indicator, applicable runway provided.
- RVV—Runway visibility, applicable runway provided.
- RVR—Runway Visual Range, applicable runway provided.
- FSS—The name of the controlling FSS is shown in all instances. When the FSS is located on the named airport, "on fld" is shown following the FSS name. When the FSS can be called through the local telephone exchange, (Foreign Exchange) at the cost of a local call, it is indicated by "(LC)" (local call) with the phone number immediately following the name of the FSS, i.e., "FSS: WICHITA (LC481-5867)." When an Interphone line exists between the field and the FSS, it is indicated by "(DL)" (direct line) immediately following the name of the FSS, i.e., "FSS: OTTO (DL)."

AIRPORT REMARKS

"FEE" indicates landing charges for private or non-revenue producing aircraft. In addition, fees may be charged for planes that remain over a couple of hours and buy no services, or at major airline terminals for all aircraft.

"Rgt Wc 13-31" indicates right turns should be made on landings and takeoffs on runways 13 and 31.

Remarks data is confined to operational items affecting the status and usability of the airport, traffic patterns and departure procedures.

Obstructions.—Because of space limitations only the more dangerous obstructions are indicated. Natural obstructions, such as trees, clearly discernible for contact operations, are frequently omitted. On the other hand, all pole lines within at least 15:1 glide angle are indicated.

COMMUNICATIONS

Clearance is required prior to taxiing on a runway, taking off, or landing at a tower controlled airport.

When operating at an airport where the control tower is operated by the U.S. Government, two-way radio communication is required unless otherwise authorized by the tower. (When the tower is operated by someone other than the U.S. Government, two-way radio communication is required if the aircraft has the necessary equipment.)

Frequencies transmit and receive unless specified as: T—Transmit only, R—Receive only, X—On request. Primary frequencies are listed first in each frequency grouping, i.e., VHF, LF. Emergency frequency 121.5 is available at all TOWER, APPROACH CONTROL and RADAR facilities, unless indicated otherwise by a cross-out: ~~121.5~~

Radar available is listed under "RADAR SERVICES" Radar beacons are indicated by "(BCN)" after "RADAR SERVICES", when available.

VOICE CALL

The voice call for contact with the traffic control services listed at each airport is the airport name followed by the call of the particular service desired, i.e., "LAGUARDIA TOWER." In these instances, only the name of the service is listed. When the voice call of the facility is not the same as the airport name, the complete voice call is listed.

SERVICES AVAILABLE**TOWER**

- Pre-Taxi Clearance Procedure
- Clearance Delivery (OLRNC DEL).
- Approach Control (APP CON) Radar and Non-Radar.
- Departure Control (DEP CON) Radar and Non-Radar.
- VFR Advisory Service (VFR ADV) Non-Radar.
- Traffic Information Service (TFO INFO) Radar.
- Surveillance Radar Approach (ASR).
- Precision Radar Approach (PAR).
- Ground Control (GND CON).
- VHF Direction Finding (VHF/DF).

RADIO NAVIGATION AIDS

Included in this section is a tabulation of all Air Navigation Radio Aids in the National Airspace System

and those upon which the FAA has approved an instrument approach. Private or military Navigation Radio Aids not in the National Airspace System are not tabulated.

AUTOMATIC TERMINAL INFORMATION SERVICE (ATIS)

ATIS is continuous broadcast of recorded non-control information in selected areas of high activity. See Section II.

RADAR APPROACH PROCEDURE MINIMA

Weather minima for precision and surveillance radar approaches (PAR/ASR) specify only the lowest straight-in authorized for the approach.

FLIGHT SERVICE STATION (FSS)

Airport Advisory Service (AAS).
Flight Following Service.
Island, Mountain and Lake Reporting Service.

UNICOM

Private aeronautical station, operates same hours as the airport, transmits and receives on one of the following frequencies:

- U-1—122.8 mc (at airports without a control tower).
- U-2—123.0 mc (at airports with a control tower).

SAMPLE

Location (NM from City)

Runway Weight Bearing Capacity

Controlling Flight Service Station

Local Phone Number

Servicing

Fuel

Runway Visibility Value

Runway Visual Range

Lighting

Airport of Entry

IFR Airport

STATE NAME

CITY NAME

AIRPORT NAME

Longest Runway Surface and length

Total No. of Runways

Longest Runway Heading

NOTAM Service Provided

Airport Elevation

Daylight Time and Period of Duration

UNICOM

Pre-taxi Clearance Procedure Avail.

Automatic Terminal Information Service

Radio Aids

Transcribed Weather Broadcasts (TWEB)

VOR Test Signal

Remarks: Ltd use, Fee: \$1.50 act over 2,000 lbs. No turns until reaching 2,000' MSL. Runway 8-26 closed UFN.

Tower 118.1 122.5R 278T 3023.5R Gnd Con 121.9

Unicom Del 127.7

ATIS: ARR 112.7 DEP 124.2

Radar Services (BCN)

App Con 119.5¹ 125.6²

Dep Con 126.2

Tfc Info Ctc APP CON on 125.6 25 mi out

VFR ADV 125.6

PAR Runway 11 Ceil 200 Vsbty 1/2 mi Min Alt 5531

ASR Runway 35 Ceil 500 Vsbty 2 mi Min Alt 5831

ILS 109.9 I-MGM Apch Brg 093° BC unusable LOM 245/MG

(M) BVORTAC 115.6/PHP 256° 5.3 NM to Fld

RRN H-SAB 326 °/PHP 264° 1.5 NM to Fld.

Remarks: VOT: 108.2. VHF/DF available, contact tower. '127°-307°' '308°-126°'

ALL BEARINGS/RADIAL ARE MAGNETIC.

APPROACH CONTROL SECTORS

RADIO CLASS DESIGNATIONS

Identification of VOR/VORTAC/TACAN Stations by Class (Operational Limitations):

| Class | Normally Anticipated Altitude Service | Normally Anticipated Reference-Free Distance Service | Inter- |
|-------------------------|--|---|--------|
| H | Up to 45,000 MSL | 149.75 smi (130 nmi) | |
| | Above 45,000' MSL | 115.2 smi (100 nmi) | |
| L | Up to 18,000' MSL | 46.06 smi (40 nmi) | |
| T | Up to 12,000' MSL | 28.79 smi (25 nmi) | |
| H=High L=Low T=Terminal | | | |

NOTE: An H facility is capable of providing L and T service volume and an L facility additionally provides T service volume.

The term VOR is, operationally, a general term covering the VHF omnidirectional bearing type of facility without regard to the fact that the power, the frequency-protected service volume, the equipment configuration, and operational requirements may vary between facilities at different locations.

| | |
|-------|--|
| AB | Continuous automatic transcribed broadcast service. |
| B | Scheduled Broadcast Station (broadcasts weather at 15 and 45 minutes after the hour; Air Force Broadcasts, generally, 29 minutes). |
| DME | UHF standard (TACAN compatible) distance measuring equipment. |
| H | Non-directional radio beacon (homing), power 50 watts to less than 2,000 watts. |
| HH | Non-directional radio beacon (homing), power 2,000 watts or more. |
| H-SAB | Non-directional radio beacons providing automatic transcribed weather service. |
| ILS | Instrument Landing System (voice on localizer channel). |
| LMM | Compass locator station when installed at middle marker site. |
| LOM | Compass locator station when installed at outer marker site. |
| MA | Range (adcock, vertical radiators), power less than 50 watts. |
| MH | Non-directional radio beacon (homing) power less than 50 watts. |
| ML | Range (loop radiators), power less than 50 watts. |

| | |
|---------|--|
| MRA | Range (adcock, vertical radiators), power 50 watts or more but less than 150 watts. |
| MRL | Range (loop radiators), power 50 watts or more, but less than 150 watts. |
| RA | Range (adcock, vertical radiators), power 150 watts or more. |
| RBn | Non-directional radio beacon. |
| RL | Range (loop radiators), power 150 watts or more. |
| S | Simultaneous range, homing signal and/or voice. |
| SABH | Non-directional radio beacon having limited navigational use. Provides automatic weather broadcasts. |
| TACAN | UHF navigational facility—omnidirectional course and distance information. |
| VOR | VHF navigational facility—omnidirectional, course only. |
| VOR/DME | Collocated VOR navigational facility and UHF standard distance measuring equipment. |
| VORTAC | Collocated VOR and TACAN navigational facilities. |
| W | Without voice facilities on range frequency. |
| Z | VHF station location marker at a LF range station. |

NOTES

1. All FAA MH facilities operate continuously unless otherwise cited.
2. All FAA ranges operate continuously. Those which are not manned continuously are cited in the remarks with hours of operation in parentheses, e.g., (0600-2400).
3. LMF and VHF ranges listed at the same location are controlled by the same FSS.
4. Military navigational facilities which are not part of the common system are not listed in this publication.

ALABAMA

| | | |
|--|--|-------------------------|
| ANNISTON (L) BVOR 108.8/ANB | | FSS: ANNISTON |
| RBn BMH 329/ANB | | |
| BIRMINGHAM MUNI IFR 4NE | | FSS: BIRMINGHAM on fld |
| 643 H92/5-23(2) (S-120, T-170, TT-300) BL6,8A,9,10 S5 | | |
| F5, JP1, JP4 U2 RVR: Rnwy 5 VASI: Rnwy 23. | | |
| Remarks: Jet barrier on overrun rwy 23. Rnwy threshold displaced 1761' SW. Rnwy 5 9247' lgd full length. | | |
| Tower 118.7 126.2 122.5R 110.3T | | Gnd Con 121.9 |
| Radar Services: (BCN) | | |
| App Con 119.9 126.2 110.3T | | |
| Dep Con 124.9 | | |
| Tfc Info Ctc App Con 25 NM out. | | |
| ASR Rnwy 5: Ceil 600, Vsby 1 mi, Min Alt 1243. | | |
| Rnwy 18: Ceil 700, Vsby 1 mi, Min Alt 1343. | | |
| Rnwy 23: Ceil 900, Vsby 1 mi, Min Alt 1543. | | |
| Rnwy 36: Ceil 800, Vsby 1 mi, Min Alt 1443. | | |
| ILS ¹ 110.3 I-BHM Apch Brg 052 BC unusable LOM: 224/BH | | |
| (H) BVORTAC 114.4/BHM 127° 9.8NM to fld. | | |
| RBn H-SAB 224°/BH 052° 4.5 to fld. | | |
| Remarks: ¹ Glide slope unusable below 682'. VOT: 112.0 | | |
| LOM is H-SAB. | | |
| BRANTLEY RBn MHW 410/XBR | | FSS: DOTHAN |
| BROOKLEY (L) BVORTAC 112.8/BFM | | FSS: MOBILE |
| RBn HW 263/BFM | | |
| BROOKWOOD (L) BVOR 111.0/BWA | | FSS: BIRMINGHAM |
| CAIRNS (L) VOR 111.2/OZR | | |
| RBn MHW 212/OZ | | |
| DECATUR (L) BVOR 108.6/DCU | | FSS: HUNTSVILLE |
| DOTHAN IFR 7NW | | FSS: DOTHAN on fld |
| 395 H56/18-36(3) (S-60, T-105, TT-190) BL6 S5 F4 U-1 | | |
| Remarks: 1209' AGL twr 10NM ESE. Displaced threshold rwy 36, 600'N. | | |
| VFR ADV: Ctc Cairns APP/DEP CON | | |
| Radar Services: | | |
| ASR Rnwy 18: Ceil 400 Vsby 1 mi Min Alt 795'. | | |
| (L) BVORTAC 111.6/DHN 334° 1.9NM to rwy 36 | | |
| VHF/DF available, ctc FSS. | | |
| ENTERPRISE RBn MHW 308/ETP | | FSS: DOTHAN |
| EUFULA (L) BVOR 109.2/EUF | | FSS: DOTHAN |
| EVERGREEN (L) BVOR 116.8/EVR | | FSS: MOBILE |
| FLO RALA RBn MHW 374/FLZ | | |
| GADSDEN (L) BVOR 112.3/GAD | | FSS: ANNISTON |
| HAMILTON (L) BVOR 110.4/HAB | | FSS: MUSCLE SHOALS |
| HANCHEY (T) VOR 112.4/HEY | | FSS: DOTHAN |
| HUNTSVILLE-MADISON IFR 3S | | FSS: MUSCLE SHOALS (DL) |
| 619 H52/18-36 (2) (S-50, T-85, TT-130) BL4,6,8A,9 S5 F4, | | |
| JP1 RVR: Rnwy 18 | | |
| Tower 119.7 122.5R 109.0T | | Gnd Con 121.9 |
| App Con 125.6 122.5R 109.0T | | |
| ILS ¹ 109.3 I-HSV Apch Brg 179° | | LOM: 242/HS |
| Huntsville (L) BVOR 109.0/HSV 158° 6.4NM to rwy 18. | | |
| Remarks: ¹ Glide slope unusable below 657' MSL. | | |
| LOWE RBn MHW 269/LOR | | FSS: DOTHAN |
| MAXWELL (L) VOR 110.2/MXF | | FSS: MONTGOMERY |
| MOBILE | | |
| BATES FLD IFR 9W | | FSS: MOBILE on fld |
| 217 H78/14-32(3) (S-40, T-150, TT-280) BL4,6,8A,9 S5 | | |
| F5 JP1, U2 RVR: Rnwy 14 | | |
| Remarks: Threshold displaced 1000' NW runwy 32 | | |
| Tower 118.3 126.2 122.5R | | Gnd Con 121.9 |

ALABAMA—Continued

| | |
|---|--|
| Radar Services: (BCN) | |
| Mobile App Con ¹ 118.5 126.2 121.0 122.7R 115.3T 112.8T | |
| Mobile Dep Con 134.1 125.7 | |
| ILS 109.9 I-MOB Apch Brg 141° BC unusable LOM: 248/MO | |
| Mobile (H) VORTAC 115.3/MOB 108° 6.3NM to fld. | |
| Mobile RBn BH 248/MO 140° 4.6NM to fld. | |
| Remarks: ¹ APP CON unable to provide complete radar ttc advy | |
| svc from BFM VORTAC 090-110° rad. LOM is BH. | |
| MONTGOMERY | |
| DANNELLY FLD IFR 6SW | |
| 221 H90/9-27(3) (S-120, T-170), TT-300) BL4,6,8A,9 S5 | |
| F4 JP1 U2 RVR: Rnwy 9 | |
| Remarks: J-Bar runwy 9-27. Closed to acft heavier than | |
| Super G Constellation and DC-7 regardless of wt displacement | |
| per wheel. | |
| Tower 119.7 126.2 122.5R 109.9T | |
| Radar Services: (BCN) | |
| Montgomery App Con 121.1 126.2 122.7R 112.1T | |
| Montgomery Dep Con 125.5 124.0 | |
| Tfc Info Ctc Montgomery App Con on 121.1 (Low) aprx | |
| 25 mi. out. | |
| ASR Rnwy 9,27 Ceil 400 Vsby 1 mi Min Alt 621 | |
| ILS 109.9 I-MGM Apch Brg 093° LOM 245/MG | |
| VHF/DF avail ctc twr. | |
| Montgomery (H) BVORTAC 112.1/MGM 318° 5.6NM to fld. | |
| MUSCLE SHOALS (L) BVORTAC 116.5/MSL | |
| FSS: MUSCLE SHOALS | |
| PRATTVILLE RBn HW 362/PRV | |
| FSS: MONTGOMERY | |
| REDSTONE RBn HW 287/HUA | |
| FSS: MUSCLE SHOALS | |
| ROEBUCK RBn MHW 201/ROE | |
| SELMA (L) VOR 114.6/SEM | |
| FSS: MONTGOMERY | |
| TALLADEGA (L) BVOR 108.4/TAG | |
| FSS: ANNISTON | |
| TUSCALOOSA (L) BVORTAC 117.8/TCL | |
| FSS: TUSCALOOSA | |
| TUSKEGEE (L) BVOR 117.3/TGE | |
| FSS: MONTGOMERY | |
| WHITESBURG RBn MHW 407/ITS | |

ARIZONA

| | | |
|--|--|---------------------|
| BUCKEYE (L) BVORTAC 110.6/BXK | | FSS: PHOENIX |
| CASA GRANDE (L) BVORTAC 114.8/CZG | | FSS: PHOENIX |
| COCHISE (L) BVORTAC 110.4/CIE | | FSS: DOUGLAS |
| DOUGLAS (L) BVOR 108.8/DUG | | FSS: DOUGLAS |
| GILA BEND (H) BVORTAC 116.6/GBN | | FSS: PHOENIX |
| LIBBY (L) VOR 111.6/FHU | | FSS: DOUGLAS |
| PEACH SPRINGS (H) BVORTAC 112.0/PGS | | FSS: PRESCOTT |
| PHOENIX | | |
| SKY HARBOR MUNI IFR 3E | | FSS: PHOENIX on fld |
| 1122 H103/8R-26L(2) (S-100, T-200, TT-370) BL4,10 S5 | | |
| F5 JP1 U2 VASI: Rnwy 8R | | |
| Phoenix Tower 118.7 122.5R 120.9 | | Gnd Con 121.9 |
| Circ Del 120.4 | | |
| Phoenix App Con 118.1 122.5R 115.6T | | |
| Phoenix (H) BVORTAC 115.6/PHX 256° 5.3NM to fld. | | |
| Phoenix RBn BHZ 326/PHX 264° 1.5NM to fld. | | |
| Remarks: VOT: 109.0 | | |
| PRESCOTT (H) BVORTAC 114.1/PRC | | FSS: PRESCOTT |
| ST. JOHNS (H) BVORTAC 112.3/SJN | | FSS: ZUNI |
| SAN SIMON (H) BVORTAC 115.4/SSO | | FSS: DOUGLAS |
| TUBA CITY (H) BVORTAC 113.5/TBC | | FSS: PRESCOTT |

ARIZONA—Continued

TUCSON INTL IFR 6S AOE FSS: TUCSON on Fld
 2630 H120/12L-30R(3) (S-100, T-200, TT-360) BL4 S5
 F5, JP1, JP4 U2
 Remarks: 5649' avbl Indg rnwy 3, 6000' avbl rnwy 21. Jet
 arresting gear rnwy 12L-30R. 1000' overrun each end rnwy
 12L-30R.
 Tower: 118.3 122.5R Gnd Con 121.9
 Radar Services: (BCN)
 App Con 118.5 134.1 126.2 125.9 125.1 122.5R
 Dep Con 125.9 Tfc Info ctc App Con 25 mi out.
 ASR Rnwy 12, 30 Ceil 400 Vsbv 1 mi Min Alt 3030.
 VHF/DF avail ctc FSS.
 (H) BVORTAC 117.1/TUS 254° 6.1NM to fld.
 RBn H-SABZ 338°/TUS 083° 10.6NM to fld.

WINSLOW (H) BVORTAC 112.6/INW FSS: PRESCOTT
 RBn H-SAB 266°/INW

YUMA MCAS/INTL IFR 3S AOE FSS: YUMA on Fld
 213 H133 (3L-21R)(4) (S-103, T-225, TT-410) BL4,6 S5 F4
 Remarks: Rnwy 17-35 GWT (S-170, T-200, TT-400). Jet
 arresting gear rnws 3L-21R, 3R-21L.
 Tower 126.2 121.5 122.5R 119.3 Gnd Con: 121.9
 VHF/DF avail ctc tower.
 (H) BVORTAC 116.8/YUM 167° 6.0NM to fld.
 RBn MHW 344/NYL at fld.

ARKANSAS

BLYTHEVILLE (L) VOR 108.2/BYH FSS: DYERSBURG
 RBn HW 311/BYH

BRUINS RBn MHW 215/BSA FSS: MEMPHIS

CABOT (L) VOR 108.4/CBT FSS: LITTLE ROCK
 RBn HW 275/CBT

CROSSETT RBn MHW 396/CRT FSS: EL DORADO

DRAKE (T) BVOR 108.8/DAK FSS: FAYETTEVILLE

EL DORADO (L) BVORTAC 108.2/ELD FSS: EL DORADO

FAYETTEVILLE (H) BVORTAC 116.4/FYV FSS: FAYETTEVILLE

FLIPPIN (L) BVOR 115.1/FLP FSS: HARRISON

FORT SMITH MUNI IFR 4SE FSS: FORT SMITH on Fld
 468 H80/7-25(2) (S-90, T-120, TT-) BL4,6,8A,9 S5
 F-5, JP-1 U2 RVV: Rnwy 25
 Remarks: Jet barrier rnwy 7-25.
 Tower 118.3 126.2 122.5R Gnd Con 121.9
 App Con 125.4 126.2 118.3 110.4T 109.5T 311T
 ILS 109.5 I-FSM Apch Brg 254° BC unusable LOM: 223/FS
 (L) BVORTAC 110.4/FSM 226° 5.2 NM to fld.
 RBn BMH 311/FSM 161° 9.8NM to fld.
 RBn HW 223/FS 254° 6.9NM to fld.
 Remarks: LOM is HW.

HARRISON (L) BVOR 110.8/HRO FSS: HARRISON

HOT SPRINGS

MEMORIAL FLD IFR 3SW FSS: PINE BLUFF (LC NA 4-4481)
 535 H50/5-23(2) (S-35, T-49, TT-78) BL4 S5 F4
 Tower 120.3 122.5R 110.0T 248T Gnd Con 121.7
 Hot Springs App Con 120.3 122.5R 110.0T 248T
 Hot Springs (L) VOR 110.0/HOT on fld.
 Hot Springs RBn MHW 385/HOT 061° 4.1NM to fld.

LITTLE ROCK

ADAMS FLD IFR 2E FSS: PINE BLUFF (LC FR 6-4348)
 257 H70/4-22(3) (S-49, T-173, TT-136) BL4,6,8A,9 S5
 F4, JP1, JP4 U2 RVV: Rnwy 4
 Tower 118.7 126.2 122.5R Gnd Con 121.9
 Radar Services: (BCN)
 Little Rock App Con 119.5³ 126.2 124.2¹ 122.5R 113.9T

ARKANSAS—Continued

Little Rock Dep Con 118.1
 Tfc Info All inbnd acft ctc App Con 25 mi out.
 ASR¹ Rnwy 4, 22, 32, 35 Ceil 500 Vsbv 1 mi Min Alt 757.
 ILS 110.3 I-LIT Apch Brg 041° LOM: 219/LI
 Little Rock (H) BVORTAC 113.9/LIT 315° 3.8NM to rnwy 32.
 Little Rock RBn BH 353/LIT 316° 3.3NM to rnwy 32.
 Remarks: ¹001-180° ²181-360°.

MONTICELLO (L) BVORTAC 111.6/MON FSS: PINE BLUFF

PINE BLUFF (L) BVORTAC 116.0/PBF FSS: PINE BLUFF

ROGERS RBn MHW 263/ROG FSS: FAYETTEVILLE

STUTTGART RBn MHW 269/SGT FSS: PINE BLUFF

Remarks: Owned by the city.

TEXARKANA (H) BVORTAC 116.3/TXK FSS: TEXARKANA

RBn SABH 329°/TXK

WALNUT RIDGE (H) BVORTAC 114.5/ARG FSS: WALNUT RIDGE

CALIFORNIA

ARCATA

ARCATA-EUREKA IFR 7NW FSS: ARCATA on Fld
 217 H60(2)(13-31) (S-90, T-140, TT-260) BL5,6,8A,9,10 F4 DT2
 VASI: Rnwy 13 RVV: Rnwy 31
 Remarks: Rgt tlc rnws 13, 19.
 VHF/DF Available.
 ILS 109.5 I-ACV Apch Brg 314° BC unusable LMM: 233/CV
 Remarks: SLMM unusable b/n 120-150° beyond 5 NM.

AVENAL (H) BVORTAC 117.1/AVE FSS: PASO ROBLES

BAKERSFIELD

MEADOWS FIELD IFR 4NW FSS: BAKERSFIELD on Fld
 488 H57/12L-30R(2) (S-110, T-170, TT-300) BL4,6,8A,9
 S5 F5, JP1 U2 DT2 RVV: Rnwy 30R
 Tower 118.1 122.5R Gnd Con 121.9
 Bakersfield App Con 118.8 115.4T Bakersfield Dep Con 118.8
 ILS 109.9 I-BFL Apch Brg 299° LOM: 278/BF
 VHF/DF available ctc FSS.
 Bakersfield (H) BVORTAC 115.4/BFL 131° 3.4NM to fld.

BEALE (L) VOR 108.8/BAB

BIG SUR (L) BVORTAC 114.0/BSR FSS: SALINAS

BLYTHE (H) BVORTAC 117.4/BLH FSS: BLYTHE

RBn SABH 251°/BLH

BURBANK

LOCKHEED AIR TERMINAL IFR 3NW FSS: LOS ANGELES (DL)
 775 H69 (15-33)(2) (S-80, T-150, TT-280) BL5,6,8A,9,11
 S5 F5, JP1, JP4 U2 DT2 REIL rnwy 15
 Remarks: Rnwy 15 displaced threshold 900'. S 6060' avbl
 Indg rnwy 15 tk off rnwy 33. Rnwy 33 displaced threshold
 410' N. 6550' Indg rnwy 33, tk off rnwy 15. Rgt tlc rnwy 7,
 15. Rnwy 15-33 lgtd N of rnwy 7-25 only.
 Burbank Tower 118.7 122.7R ~~401.5~~ Gnd Con 121.9
 Radar Services:
 Burbank App Con 120.9
 Burbank Dep Con 118.4
 Tfc Info Ctc Burbank App Con 30 NM out on 120.9.
 ASR Rnwy 7 Ceil 500 Vsbv 1 mi Min Alt 1275.
 ILS ²109.5 I-BUR Apch Brg 076° LOM: 272/BU
 VHF/DF¹ available, contact Tower.
 Remarks: ¹Unusable beyond 30 NM below 13,000' 360°-085°;
 below 4000' 085°-240°; below 6000' 240°-320°; below 10,000'
 320-360°. ²Glide slope unusable below 1075' MSL. VOT: 110.0

CAMARILLO RBn HW 359/CAV FSS: LOS ANGELES

CALIFORNIA—Continued

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| CASTLE (L) VOR¹ 114.2/MER | |
| RBn MHW 409/ME | |
| Remarks: ¹ Inoperative. | |
| CHICO (T) BVOR 109.8/CIC | FSS: RED BLUFF |
| COLTON RBn HWZ 397/SB | FSS: ONTARIO |
| CONCORD | |
| §BUCHANAN FIELD IFR 1N | |
| 19 H50/1-19(3) (S-60, T-80, TT-130) BL5 S5 DT2 F4 | |
| Tower ¹ 119.7 122.4R Gnd Con 121.9 | |
| Radar Services: | |
| Travel App Con 119.9 | |
| T-BVOR 110.6/CCR 171° 3.1 NM to fld. | |
| Remarks: ¹ Oper 1500-0700Z. | |
| CRESCENT CITY (L) BVOR 109.0/CEC | FSS: CRESCENT CITY |
| Remarks: Class to be changed to (L) BVORTAC June 17, 1966. | |
| DAGGETT (L) BVORTAC 113.2/DAG | FSS: DAGGETT |
| DOWNEY RBn HW 371/DOW | FSS: LOS ANGELES |
| EDWARDS (L) VORW 116.4/EDW | |
| RBn MH 401/EDW | |
| EL TORO (L) VOR 111.0/NZJ | |
| RBn HW 410/NZJ | |
| FARALLON ISLAND RBn HW 314/F | |
| FELLOWS (L) BVORTAC 117.5/FLW | FSS: BAKERSFIELD |
| FILLMORE (L) BVORTAC 112.5/FIM | FSS: LOS ANGELES |
| FORT JONES (L) BVOR 109.6/FJS | FSS: MONTAGUE |
| FORTUNA (L) BVORTAC 114.0/FOT | FSS: ARCATA |
| §FRESNO AIR TERMINAL IFR 5 NE | |
| 332 H92/11L-29R(3) (S-50, T-70, TT-140) BL5,6,8A,9 S5 | |
| F4, JP1, JP4 U2 DT2 RVV: Rnwy 11L. RVR: Rnwy 29R. | |
| Remarks: Rgt tlc rwy 7 & 11. Jet barrier arresting gear 11L-29R. | |
| Tower 118.7 126.2 122.7R 110.3T Gnd Con 121.9 | |
| Radar Services: (BCN) | |
| App Con 119.6 126.9 | |
| Dep Con 126.9 | |
| ILS 110.3 I-FAT Apch Brg 289° LOM: 266/FA | |
| (H) BVORTAC 112.9/FAT 134° 7.1NM to fld. | |
| RBn H-SAB 344°/FAT 049° 6.2 NM to fld. | |
| §FRESNO-CHANDLER IFR 2W | |
| 283 H35/11R-29L(2) (S-17 T-TT-) BL5 S5 F4 | |
| U2 DT2 | |
| Remarks: Rgt tlc rwy 11R. Rnwy 29L displaced threshold | |
| 730' NW, rwy 11R displaced 495' SE. | |
| Chandler Tower ¹ 121.1 122.5R 278T Gnd Con 121.7 | |
| Radar Services: (BCN) | |
| Fresno App Con 119.6 126.9 | |
| Fresno Dep Con 126.9 | |
| Remarks: ¹ Oper 1400-0600Z. | |
| FRIANT (L) BVORTAC 115.6/FRA | FSS: FRESNO |
| §FULLERTON MUNI IFR 3W | |
| 96 H31/6-24(1) (S-8, T-, TT-) BL5,11 S5 F4 U2 DT2 | |
| REIL: Rnwy 24. | |
| Remarks: Rnwy 6 displaced threshold 437' E. 2683' avbl Indg | |
| rwy 6. Rnwy 24 displaced threshold 263' W. 2857' avbl | |
| Indg rwy 24. Rnwy 24 apch restricted by poleline. Rgt tlc | |
| rwy 24. Entry alt 1200' MSL. | |
| Tower ¹ 119.1 122.6R 121.6 Gnd Con 121.7 | |
| Radar Services: | |
| Long Beach App Con 124.2 135.8 110.3T | |
| Long Beach Dep Con 127.2 | |
| Remarks: ¹ Oper 1400-0600Z. | |

CALIFORNIA—Continued

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| GAVIOTA (L) BVORTAC 116.5/GVO | FSS: SANTA BARBARA |
| GEORGE (L) VOR 108.6/VCV | FSS: PALMDALE |
| GLENDALE RBn MHW 341/GCE | FSS: LOS ANGELES |
| Remarks: To be decomsd June 23. | |
| GOFFS (L) BVOR 114.4/GFS | FSS: NEEDLES |
| GORMAN (L) BVORTAC 116.1/GMN | FSS: BAKERSFIELD |
| HAMILTON (L) VOR 109.0/SRF | |
| §HAWTHORNE MUNI IFR 1E | |
| 64 H45/7-25(1) (S-30, T-40, TT-) BL4,11 S-5 F4 U2 DT2 | |
| REIL ¹ rwy 25 | |
| Remarks: Rnwy 7 displaced threshold 1025' E, 3975' avbl Indg | |
| rwy 7. Rnwy 25 displaced threshold 475' W. 4525' avbl Indg | |
| rwy 25. Prior apvl rwd for single eng acft 1000 HP or more. | |
| Rnwy 25 apch restricted by pole line. Rgt tlc E. ¹ REIL inop | |
| 2300-0700. | |
| Tower ¹ 121.1 122.5R 121.5 Gnd Con 121.9 | |
| Radar Services: | |
| Los Angeles App Con 124.9 ² 124.5 ³ 113.6T 109.9T | |
| Los Angeles Dep Con 124.3 ² 125.2 ³ | |
| Remarks: ¹ Oper 1500-0700Z. ² 045°-224°. ³ 225°-044°. | |
| HAYWARD RBn MHW 242/HWD | FSS: OAKLAND |
| 46 H52/10R-28L(2) (S-100, T-190, TT-290) BL4 S5 F4 | |
| DT2 | |
| Remarks: Rnwy 10R threshold displaced 800' on W end. | |
| Tower 118.9 122.5R 212T Gnd Con 121.7 | |
| Radar Services: | |
| Oakland App Con 118.1 116.8T | |
| Oakland Dep Con 124.7 120.9 116.8T | |
| Remarks: ¹ Oper 0600-2400 lcl time. | |
| HAYWARD RBn MHW 242/HWD | FSS: OAKLAND |
| HECTOR (H) BVORTAC 112.7/HEC | FSS: DAGGETT |
| IMPERIAL (H) BVORTAC 115.9/IPL | FSS: IMPERIAL |
| JULIAN (L) BVORTAC 114.0/JLI | FSS: SAN DIEGO |
| LAKE HUGHES (L) VORW 108.4/LHS | FSS: PALMDALE |
| LA VERNE | |
| BRACKETT FLD IFR 1SW | |
| 997 H40/8-26(1) BL4 S5 U2 DT2 | |
| Remarks: Rgt tlc rwy 8. Avoid flgt over fair gnd bldgs. | |
| Tower ¹ 118.2 122.7R 121.5 Gnd Con 121.7 | |
| VFR ADV: Ctc March APP CON 120.8, 122.5R/DEP CON 125.5, | |
| 122.5R | |
| Remarks: ¹ Oper 0700-2300. | |
| LEMOORE RBn MH 328/NLC | |
| LINDEN (L) BVORTAC 115.5/LIN | FSS: STOCKTON |
| LONG BEACH IFR 3NE | |
| §LONG BEACH (Daugherty Fld) | |
| 58 H100/12-30(5) (S-90, T140, TT-240) BL4,6,8A,10,11,12 S5 | |
| F5, JP1, JP4 U2 DT2 | |
| Remarks: All itinerant acft ctc Long Beach opch ctl regardless of | |
| wea, call at least 20 mi fm arpt. Rgt tlc rwnys 7R, 16R, 25R, | |
| 34R. | |
| Long Beach Tower 119.5 ¹ 120.5 ² 126.2 ³ 122.4R ¹ 242T ¹ | |
| Gnd Con 121.9 | |
| Radar Services: | |
| Long Beach App Con 124.2 135.8 110.3T | |
| Long Beach Dep Con 127.2 | |
| ASR Rwnys 7L, 12, 16R, 25R, 30 Ceil 500 Vaby 1 mi | |
| Min Alt 558 | |
| ILS 110.3 I-LGB Apch Brg 300° LOM 233/LG | |
| VHF/DF available, contact Tower. | |

CALIFORNIA—Continued

(L) BVORTAC 115.7/LGB 274° 4.4NM to fld
Remarks: ¹For all left runways. ²For all right runways. VOT: 109.0.

§LOS ANGELES INTL IFR 9SW FSS: LOS ANGELES on Fld
126 H120/7R-25L(4) (S-100, T-180, TT-340)
BL4,6,8A,9,10,11 S5 F5, JP1, JP4 U2 DT2 VASI: Rnwy 7R
RVV: Rnws 6, 24, 7R/L RVR: Rnwy 25L REIL Rnwy 7L, 7R
Remarks: Rnwy 34 threshold displaced 1679' N. Rnws 25L,
25R thresholds displaced 600' W. Rnwy 16-34 (S125 T200+
TT400+).
Tower 118.9 125.8 123.7¹ 122.7R Gnd Con 121.6 121.8
Clmc Del 126.85 121.4
ATIS: 108.5
Radar Services:
App Con 124.9² 124.5³ 113.6T 110.8T 109.9T
Dep Con 125.2² 124.3²
Tfc Info ctc App Con 30 mi out.
PAR Rnwy 25L Ceil 200 Vsby ½ mi Min Alt 326.
ILS⁴ 109.9 I-LAX Apch Brg 248° LOM: 266/LA
VHF/DF avail, ctc twr.
(H) BVORTAC 113.6/LAX at fld.
RBN SABH 332°/LAX 245° 3.4 NM to fld.
Remarks: ¹Heli Operns. ²035-224° ³225-044° ⁴Glide slope
unusable below 300' MSL. VOT: 112.0.

LOS ANGELES (VAN NUYS)

§VAN NUYS IFR 3NW FSS: LOS ANGELES (DL)
800 H80/16R-34(2) (S-70, T-120, TT-210) BL5,11 S5 F4
JP1, JP4, JP5 U2 DT2 REIL: Rnwy 16R
Remarks: Rnwy 16R threshold displaced 1376' S. 6624' avbl
Indg rwy 16R. Rnwy 16L-34R daylight use only. Rnwy 16L
threshold displaced 1432' S. 2568' avbl Indg rwy 16L. Parallel
2000' strip bet 16L-34R and 16R-34L clsd except emerg.
Tower 120.3² 119.3³ 126.2 122.5R Gnd Con: 121.7
ATIS: ¹113.1
Radar Services:
Burbank App Con 120.9
Burbank Dep Con 118.4
(L) VOR 113.1/VNY on fld.
Remarks: ¹Oper 0600-2200 lcl time. ²360-149° and departure
rwy 16L-34R. ³150-359° and departure rwy 16R-34L.
VOT: 109.0

LOS BANOS (L) BVOR 112.6/LSN FSS: FRESNO
MARYSVILLE (T) BVOR 110.8/MYV FSS: MARYSVILLE
MATHER (L) VORW 114.6/MHR FSS: SACRAMENTO
MAXWELL (L) BVORTAC 110.0/MXW FSS: MARYSVILLE
McCLELLAN RBN MHW 395/MCC FSS: SACRAMENTO

MODESTO

§CITY-COUNTY IFR 2 SE FSS: STOCKTON (DL)
96 H50 (2) BL4 S5 F4 DT2
Remarks: Rgt tlc runways 11R, 29R.
Tower¹ 120.0 122.7R Gnd Con 121.7
Modesto (T) BVOR 108.4/MOD
Remarks: ¹Oper 1400-0600Z.

MONTAGUE RBN BH 382/SIY FSS: MONTAGUE

§MONTEREY PENINSULA IFR 3SE FSS: SALINAS (DL)
220 H50/10-28(2) (S-40, T-70, TT-120) BL5,6,8A,9 S5 F5,
JP1 U2 DT2
Remarks: Rnwy 28 has downgrade 1½ percent. Indg act
non-reversible props ctn during hours of darkness.
Monterey Tower 119.9 122.5R 281T Gnd Con 121.9
Monterey App Con 120.8

CALIFORNIA—Continued

Monterey Dep Con 120.8
ILS¹ 110.1 I-MRY Apch Brg 096° LOM:² 281/MR
Remarks: ¹Unusable b/n LMM and apch end rwy. ²LOM un-
usable beyond 6NM 130-150°.

§NAPA COUNTY 5S FSS: OAKLAND (DL)
33 H53/18-36(2) BL4 S5 F4 DT2
Tower¹ 118.8 122.7R Gnd Con 121.7
(L) BVORTAC 112.1/APC
Remarks: ¹Oper 1500-0700Z

NEEDLES (H) BVORTAC 115.2/EED FSS: NEEDLES

NORTON LI VORW 117.6/SBD
RBN MHW 347/BD

OAKLAND

§METROPOLITAN-OAKLAND INTL IFR 4S FSS: OAKLAND on Fld
6 H100/11-29(4) (S-100, T-160, T-290) BL6,8A,9,14,15 S5
F5, TP1, JP4 U2 DT2 RVV: Rnwy 27R RVR: Rnwy 29
Remarks: Rnwy 33 threshold displaced 2113' N. Rgt tlc runways
27R, 9R, 33 & 11.
Oakland Tower 118.3 126.0 122.6R 116.8T
Clmc Del 126.6 121.1
Gnd Con 121.9 121.6
Radar Services: (BCN)
Oakland App Con 118.1¹ 116.8T 120.9²
Oakland Dep Con 124.7
Tfc Info Call App Con 25 mi out.
PAR⁴ Rnwy 29 Ceil 200 Vsby ½ mi Min Alt 206
ASR Rnwy 11, 29 Ceil 400 Vsby 1 mi Min Alt 406.
ILS 108.7 I-INB Apch Brg 293° BC unusable LOM: 266/IN
109.9⁵ I-OAK Apch Brg 275° BC unusable
VHF/DF³ available, contact Tower.
Oakland (H) BVORTAC 116.8/OAK 095° 1.3NM to fld.
Oakland RBN SABH 362°/OAK on fld.
Remarks: ¹271-090° 090-270° ²Unusable below 6000' MSL 360-
050°, beyond 20 NM. ³Radar monitoring of instrument apchs
only at pilot's request. ⁴Glide slope rwy 27 unusable for
auto apchs. VOT: 108.0.

OCEANSIDE (H) BVORTAC 115.3/OCN FSS: SAN DIEGO

§ONTARIO INTL IFR 2E FSS: ONTARIO on Fld
952 H100/7-25(2) (S80, T120, TT220) BL6,8A,9 S5 F5, JP1 JP4
U2 DT2 RVR: Rnwy 25
Remarks: Rnwy 7 threshold displaced 1000' on W end. 1000'
overrun E end rwy 7-25.

Tower 118.5 122.5R Gnd Con 121.9
Clmc Del 120.6

Radar Services: (BCN)
March App Con 120.8 122.5R 111.4T
March Dep Con 125.5 122.5R
ILS 109.7 I-ONT Apch Brg 255° LOM: 227/OM
(H) BVORTAC¹ 112.2/ONT

OXNARD (L) VORTAC 111.2/OAF FSS: SANTA BARBARA

OXNARD

§VENTURA COUNTY IFR 1W FSS: SANTA BARBARA (DL)
43 H59/7-25(1) (S-36, T-48 TT-75) BL4,11 S5 F4, JP4
DT2 REIL rwy 25.
Remarks: Rnwy 25 threshold displaced 1377' W. 4570' avbl
Indg rwy 25. Rnwy 7 threshold 750' E. 5197' avbl Indg
rwy 7.
Tower 120.7 122.4R Gnd Con. 121.9
Oxnard App Con 124.7 122.5R
Oxnard Dep Con 124.7
Ventura (L) BVORTAC 108.2/VTU
Remarks: ¹Oper 1400-0600Z.

CALIFORNIA—Continued

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| PALMDALE (H) BVORTAC | 114.5/PMD | FSS: PALMDALE |
| PALM SPRINGS (L) BVOR | 115.5/PSP | FSS: THERMAL |
| PARKER (H) BVORTAC | 117.9/PKE | FSS: BLYTHE |
| PASO ROBLES (L) BVORTAC | 114.3/PRB | FSS: PASO ROBLES |
| POINT REYES (L) BVOR | 113.7/PYE | FSS: OAKLAND |
| POMONA (L) BVORTAC | 110.4/POM | FSS: ONTARIO |
| PORTERVILLE (L) BVOR | 109.2/PTV | FSS: BAKERSFIELD |
| PRIEST (L) BVORTAC | 110.0/ROM | FSS: PASO ROBLES |
| RED BLUFF (H) BVORTAC | 115.7/RBL | FSS: RED BLUFF |
| RBn SABH | 338/RBL | |

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| REDDING (T) BVOR | 108.4/RDD | FSS: RED BLUFF |
| §RIVERSIDE MUNI IFR | 4SW | FSS: ONTARIO (DL) |
| 816 | H46/9-27(2) BL5, 11 S5 F4 U2 DT2 | |
| Remarks: | Rolling. Lndgs to S prohibited on N/S rwy. | |
| Tower ¹ | 121.0 122.6R 121.5 | Gnd Con 121.7 |
| VFR ADV | Ctc March App Con 120.8 122.5R/Dep Con 125.5 122.5R | |
| (T) VOR | 111.4/RAL | |
| Remarks: | ¹ Oper 1400-0600Z. | |

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| §SACRAMENTO MUNI IFR | 3SW | FSS: SACRAMENTO on Fld |
| 21 | H60/2-20(3) (S-90, T-120, TT-180) BL4,6,12 S5 | |
| F4, TP-1 | U2 DT2 RVV: Rwy 2 | |
| Remarks: | Rwy 16 apch restricted by antenna-glide angle 12 to 1. 2500' apch lgtg. | |
| Tower | 119.5 122.5R | Gnd Con 121.9 |
| Radar Services: | (BCN) | |
| App Con | 119.1 125.2 121.0 122.5R | |
| Dep Con | 124.5 | |
| VHF/DF | avail ctc FSS. | |
| ILS | 110.3 I-SAC Apch Brg 016° | |
| (H) BVORTAC | 115.2/SAC 016° | 4.4 NM to fld. |

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| SALINAS (H) BVORTAC | 117.3/SNS | FSS: SALINAS |
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| SALTON SEA RBn HW | 407/NJ2 |
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| SAN CLEMENTE IS RBn MH | 350/NZZ |
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| SAN DIEGO (H) BVORTAC | 117.8/SAN |
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SAN DIEGO

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| §MONTGOMERY FLD | 6N | FSS: SAN DIEGO (LC 296-3181) |
| 423 | H34/10-28(2) (S30-T-, TT-) BL4 S5 F4 U2 DT2 | |
| Remarks: | Rgt tlc rwnys 5, 10. Unattended ngts—keep rwy lgt in sight during ngt lndgs. | |
| Tower ¹ | 119.2 122.6R 121.5 | Gnd Con 121.9 |
| Remarks: | ¹ Oper 1500-0700Z. | |

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| §SAN DIEGO CO-GILLESPIE FLD | 10NE | FSS: SAN DIEGO (LC 296-3181) |
| 385 | H53/9-27(2) (S-67, T-113, TT-) BL4 S5 F4 U2 DT2 | |
| Remarks: | Rgt tlc rwy 9. Rwy 27 threshold displaced 1300' W. 4040' avbl lndg rwy 27. Rwy 17-35 closed to acft over 12,500 lbs GWT. Displaced threshold 405' S rwy 17, 705' N rwy 35. | |
| Gillespie Tower ¹ | 120.7 122.7 | Gnd Con 121.7 |
| Remarks: | ¹ Oper 0700-2300 lcl time | |

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| §SAN DIEGO INTL-LINDBERGH FLD IFR | 2W AOE | FSS: SAN DIEGO on Fld |
| 15 | H87/9-27(2) (S-100, T-200, TT-400) BL5,6,8A,9,11 | |
| S-5 | F5, JP1 U2 DT2 REIL: Rwy 27 | |
| Remarks: | Rwy 27 threshold displaced 600' W. 8100' avbl lndg rwy 27. Unless otherwise instructed after thoff on rwy 27, turn rgt to 315° mag for noise abatement purposes. Ctc twr for preferential rwy sys under VFR conditions. | |

CALIFORNIA—Continued

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| Tower | 118.3 122.5R 109.6T | Gnd Con 121.7 |
| Radar Services: | (BCN) | |
| San Diego App Con | 119.6 127.7 125.7 ¹ 125.3 ² | |
| 122.7R | 110.9T | |
| San Diego Dep Con | 125.7 ³ 125.3 ⁴ | |
| Tfc Info | Ctc App Con over Cardiff, Barrett Lake, Mexico Border or 20 NM West. | |
| ASR | Rwy 9 Ceil 700 Vsby 2 mi Min Alt 715 | |
| ILS | 110.9 I-SAN Apch Brg 092° | LOM: 278/SA |
| Lindbergh (L) BVOR | 109.6/LIF on fld. | |
| Remarks: | ¹ East arrival. ² West/Northwest arrival. ³ East departure. ⁴ West/Northwest departure. VOT: 109.0 | |

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| §SAN FRANCISCO INTL IFR | 8 SE | FSS: OAKLAND (DL) |
| 12, H97(10L-28R) (4) | (S-200, T-200, TT-400) BL6,8A,9,10,11,12 | |
| S-5 | F5, JP1 U2 DT2 VASl: Rwy 19L RVV: Rwy 19 RVR: | |
| Rwy 28R | | |
| Remarks: | Rwy 28R displaced threshold 200' NW. 9496' avbl lndg rwy 28R. Rwy 1R displaced threshold 1100' NE. 8400' avbl lndg rwy 1R. REIL N end rwy 19L and E end rwy 28L inop. | |
| Tower | 120.5 122.7R | Gnd Con 121.8 |
| §Clmc Del | 121.4 | |
| ATIS: | 111.2 | |
| Radar Services: | | |
| App Con | 124.9 ¹ 119.3 ² 111.2T 109.5T | |
| Dep Con | 124.4 128.5 | |
| PAR ³ | Rwy 28R Ceil 200 Vsby 1/2 mi Min Alt 212. | |
| ASR | Rwnys 28L, 28R Ceil 400 Vsby 1 mi Min Alt 412. | |
| Rwnys | 19L, 19R Ceil 500 Vsby 1 mi Min Alt 512 | |
| ILS | 109.5 I-SFO Apch Brg 281° | LOM: 379/SF |
| VHF/DF | available, contact tower. | |
| (L) VOR | 111.2/SFO at fld. | |
| RBn MHW | 275/SIA 191° | 0.6 to rwy 19L. |
| Remarks: | ¹ 315-134°, ² 135-314°. ³ Radar monitoring of instrument apchs only at pilot's request. VOT: 111.0 unusable in ramp area adj to concourse. | |

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| SAN FRANCISCO GAP RBn MHW | 332/SFG | FSS: OAKLAND |
|---------------------------|---------|--------------|

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| §SAN JOSE MUNI IFR | 2 NW | FSS: OAKLAND (DL) |
| 56 | H78/12R-30L (2) (S-100, T-130, TT-210) BL6,8A,9 S5 F5, | |
| JP1 | U2 DT2 RVV: Rwy 30L | |
| Remarks: | Rwy 30L threshold displaced 1475' NW. 6312' avbl lndg rwy 30L. Twr unable to see NE tlc patn. | |
| Tower | 120.7 122.4R | Gnd Con 121.7 |
| Radar Services: | (BCN) | |
| Moffett App Con | 120.1 123.7 122.4R 110.9T 108.2T | |
| Moffett Dep Con | 121.3 122.4R 108.2T | |
| Tfc Info | Ctc Moffett APP CON on 120.1 25 mi out. | |
| ASR | Rwy 30L Ceil 600 Vsby 1 mi Min Alt 656. Rwy | |
| Rwy 12R | Ceil 400 Vsby 1 mi Min Alt 456. | |
| ILS | 110.9 I-SJC Apch Brg 302° | |
| (L) VOR | 108.2/SJC on fld. | |

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| SAN LUIS OBISPO (L) BVORTAC | 112.4/SBP | FSS: PASO ROBLES |
|-----------------------------|-----------|------------------|

SANTA ANA

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|--------------------|---|-----------------------|
| §ORANGE COUNTY IFR | 4 S | FSS: LOS ANGELES (DL) |
| 53 | H57/IL-19R(2) (S-68, T-95, TT-170) BL4,6 S5 F4, JP1 U2 DT2 | |
| Tower ¹ | 119.9 123.8 ² 122.5R 121.5 | Gnd Con 121.7 |
| Radar Services: | (BCN) | |
| El Toro App Con | 121.3 134.1 124.1x 122.5R 108.8T | |
| El Toro Dep Con | 121.3 | |
| Santa Ana (L) VOR | 108.8/SNA at fld. | |
| Remarks: | ¹ Oper 1400-0700Z. ² For pattern to the W for long rwy. | |

CALIFORNIA—Continued

§SANTA BARBARA MUNI IFR 7 W FSS: SANTA BARBARA on fld
14 H47/7-25 (3) (S-40, T-71, TT-117) BL4,6,8A,9 S5 F5,
JP1, U2 DT2 RVR: Rnwy 7
Remarks: Apch lgt 2900' long. Rnwy 25 overrun unlgd.
Rnwy 25 threshold displaced 296' W, 4420' avbl Indg rnwy 25.
Tower 119.7 122.7R 110.3T Gnd Con 121.7
App Con 125.4
ILS 110.3 I-SBA Apch Brg 073°
(H) BVORTAC 114.9/SBA 198° 5.6 NM to fld

SANTA CATALINA (L) BVOR 111.6/SXC FSS: LOS ANGELES

SANTA MARIA (T) VOR 109.0/SMX FSS: SANTA BARBARA

§SANTA MONICA MUNI IFR 3 E FSS: LOS ANGELES (DL)
175 H50/3-21 (1) S-80, T-120, TT-220) BL4,10,11 S5 F5,
JP1 JP5 U2 DT2 REIL: rnwy 21 VASI: rnwy 21
Remarks: Single eng acft of 1000 or more horsepower prohibited
except by prior apvl. Gen avia fee after free first 6 hrs. Rgt
tfc rnwy 3. Overnrt tie down FEE only.

Tower¹ 120.1 122.6R 121.5 Gnd Con 121.9

Radar Services:

Los Angeles App Con 124.9³ 124.5³ 113.6T 109.9T

Los Angeles Dep Con 124.3¹ 125.2²

(L) VOR 110.8/SMO at fld.

Remarks: ¹045°-225°, ²225°-044° VOT: 110.2 ³Oper 0700-
2300 lcl time. VOT unusable S side of rnwy 3 from apch end
to a point 800' NE.

SANTA ROSA

§SONOMA COUNTY IFR 6 NW FSS: UKIAH (DL)
125 H50/14-32(2) (S-80, T-130, TT-220) BL4 S5 F4 DT2
Tower¹ 118.5 122.5R Gnd Con 121.9
(L) VOR 109.4/STS at fld.
Remarks: ¹Oper 0600-2200 lcl time.

SAUSALITO (L) BVORTAC 110.4/SAU FSS: OAKLAND

§STOCKTON METROPOLITAN IFR 3S FSS: STOCKTON on fld
27 H86/11L-29R(4) (S-100, T-200, TT-400) BL6 S5 F4 TPI
U2 DT2
Tower 120.3 122.5R Gnd Con 121.9
Radar Services:
App Con 125.1 116.0T 109.1T
ILS 109.1 I-SCK Apch Brg 291° BC unusable LOM: 271/SC
Stockton (H) BVORTAC 116.0/SCK 304° 4.0 NM to fld.

TAHOE VALLEY

§LAKE TAHOE 2SE FSS: SACRAMENTO (DL)
6263 H85/18-36(1) BL4 F4 U2 DT2
Remarks: Surrounded by mtns. Tiedowns avbl. Rgt tfc rnwy 6.
Tower¹ 119.0 122.5R Gnd Con: 121.9
Lake Tahoe (L) BVOR 113.2/LTA
Remarks: ¹Oper 0700-2300 lcl time

THERMAL (H) BVORTAC 116.2/TRM FSS: THERMAL

§TORRANCE MUNI IFR 3 SW FSS: LOS ANGELES (DL)
101 H50/11L-29R(2) (S-30, T-50, TT-80) BL4 S5 F4 U2
DT2
Remarks: Both ends rnwy 11L-29R displaced thresholds 550'.
4450' avbl Indg both directions rnwy 11L-29R. Rnwy 11R-29L
open 6 am to 10 pm. Rnwy 11L-29R and perimeter taxiway only
lgd 10 pm to 6 am.

Tower¹ 118.1 122.7R 121.5 Gnd Con 121.7

Radar Services:

Los Angeles App Con 124.9³ 124.5³ 113.6T 109.9T

Los Angeles Dep Con 125.2³ 124.3²

Long Beach Dep Con 127.2

Remarks: ¹Oper 0600-2200 lcl time. ²045°-224°. ³225°-044°.

TRAVIS (L) VOR 116.4/SUU FSS: SACRAMENTO

CALIFORNIA—Continued

TWENTY NINE PALMS (L) BVORTAC 114.2/TNP FSS: THERMAL

UKIAH (H) BVORTAC 112.3/UKI FSS: UKIAH

VANDENBERG (L) VOR 111.8/VBG FSS: SANTA BARBARA

VISALIA (T) VOR 109.4/VIS

WILLIAMS (L) BVORTAC 114.4/ILA FSS: MARYSVILLE

WOODSIDE (L) BVORTAC 111.4/OSI FSS: OAKLAND

COLORADO

AKRON (L) BVORTAC 114.4/AKO FSS: AKRON

ALAMOSA (H) BVORTAC 113.9/ALS FSS: TRINIDAD

COLORADO SPRINGS

§PETERSON FIELD IFR 6 SE FSS: DENVER (LC 634-3127)
6172 H110/17-35(3) (S-100, T-200, TT-400) BL4,6,8A,9 S5 F5,
JP1, JP4 DT2 RVR: Rnwy 35 VASI: Rnwys 30, 35

Remarks: Jet arresting barrier and arresting gear rnwys 12, 17-35.
1000' overrun each end rnwy 17-35.

Tower 119.9 122.5R Gnd Con 121.7

Radar Services:

Colorado Springs App Con 118.5 122.5R 109.9T

Colorado Springs Dep Con 120.2

Tfc Info Ctc APP CON 20 mi out.

PAR Rnwy 35 Ceil 200 Vsby 1/2 mi Min Alt 6372

ASR Rnwys 17, 21, 30, 35 Ceil 500 Vsby 1 mi Min Alt 6672

ILS 109.9 I-COS Apch Brg 347° LOM: 407/CO

Colorado Springs (L) BVORTAC 112.5/COS 192° 9 NM to fld.

Colorado Springs RBN MHW 407/CO 347° 3.3 NM to fld.

VHF/DF¹ available, contact tower.

Remarks: ¹Coverage 30 nmi at MEA except 24 nmi 340-055°
and 15 nmi 245-270° from facil. LOM is MHW.

CORTEZ (L) BVOR 108.4/CEZ FSS: FARMINGTON

DENVER

§STAPLETON INTL IFR 4 E FSS: DENVER on fld
5331 H115/17-35(3) (S-120, T-200, TT-350) BL4, 6, 8, 9, 10, 11,
14, 15 S5 F5, JP1 U2 VASI: Rnwys 8R, 17

RVR: Rnwy 17, 35 REIL: Rnwy 17.

Remarks: Twr unable to determine whether acft are on correct
final apch to rnwys 8L-8R and 26L-26R.

Denver Tower 118.3 126.9 119.5 122.5R Gnd Con 121.9

§Cltmc Del: 121.8

ATIS: 110.3

Radar Services:

Denver App Con 119.3¹ 126.9 122.5R 120.5² 116.3T
108.1T

Denver Dep Con 124.8 126.9

Tfc Info Ctc App Con 20 mi out.

ASR Rnwys 8, 17, 26L, 35 Ceil 500 Vsby 1 mi Min Alt 5831

ILS 110.3 I-DEN Apch Brg 257° LOM: 362/DE

108.1 I-SPO Apch Brg 350° LMM: 210/PO

VHF/DF available, contact tower.

Denver (H) BVORTAC 116.3/DEN 214° 8.1NM to fld.

Remarks: ¹270°-089°. ²090°-269°. VOT: 111.0

DOVE CREEK (L) BVORTAC 114.4/DVC FSS: FARMINGTON

DURANGO (L) BVOR 108.2/DRO FSS: FARMINGTON

ENGLEWOOD RBN H-SAB 379°/EWD FSS: DENVER

GILL (L) BVOR 108.8/GLL FSS: DENVER

GRAND JUNCTION

§WALKER FIELD IFR 3NE FSS: GRAND JUNCTION on fld
4857 H75/11-29(2) (S-60, T-80, TT-120) BL2,4,5,6,11,12
S5 F4 JP1 TP1 U2 REIL: Rnwys 11, 29

COLORADO—Continued

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| Tower 118.1 122.5R | Gnd Con 121.9 |
| Grand Junction App Con 119.7 122.5R 112.4T 110.3T | |
| ILS ¹ 110.3 I-GJT Apch Brg 110° | |
| Grand Junction (H) BVORTAC 112.4/GJT 061° 13.0 NM to fld. | |
| Grand Junction RBN ² MHW 396/GJT 110° 9.3NM to fld. | |
| Remarks: ¹ Glide slope unusable 5158' and from 3/4 NM to rwy threshold. ² Usable for apchs and transitions to apch only. | |
| GUNNISON (H) BVORTAC 114.9/GUC | FSS: GRAND JUNCTION |
| HUGO (L) BVOR 108.4/HGO | FSS: LA JUNTA |
| KIOWA (L) BVORTAC 114.2/IOC | FSS: DENVER |
| KREMMLING (H) BVORTAC 113.8/RLG | FSS: EAGLE |
| LAMAR (H) BVORTAC 116.9/LAA | FSS: LA JUNTA |
| LOWRY (L) VOR 112.7/LRY | FSS: DENVER |
| MEEKER (L) BVORTAC 111.8/EKR | FSS: EAGLE |
| PETERSON (L) VORW 109.0/PEF | FSS: DENVER |
| §PUEBLO MEML IFR 5E | FSS: PUEBLO on Fld 4725 H85/7-25(3) (S-100, T-130, TT-200) BL4,6,8A,9 S5 F5 JP1 RVV: Rwy 7 |
| Remarks: Aft not visible from twr at junction of downwind and base legs rwy 25 middle of rwy 12-30. | |
| Tower 119.1 126.2 122.5R | Gnd Con 121.9 |
| App Con 120.1 116.7T | |
| ILS 109.5 I-PUB Apch Brg 075° LOM: 302/PU | |
| (H) BVORTAC 116.7/PUB 248° 2.4NM to fld. | |
| RBN MHW 373/PCX 255° 6NM to fld. | |
| THURMAN (L) VORW 112.9/TXC | FSS: AKRON |
| TOBE (L) BVORTAC 115.8/TBE | FSS: TRINIDAD |
| TRINIDAD RBN SABH 329•/TAD | FSS: TRINIDAD |

CONNECTICUT

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| §BRIDGEPORT MUNI IFR 3SE | FSS: WINDSOR LOCKS (LC ED 5-6097) |
| 9 H47 (11-29(3) (S-36.5, T-55.5, TT-) BL5,6 S5 F5 JP1, JP4 U2 DT2 | |
| Remarks: Apch to rwnys 16, 29 blkd by trees. | |
| Tower 120.9 122.5R 108.8T | Gnd Con 121.9 |
| Westchester App Con 121.2 122.5R 3023.5Rx | |
| (L) VOR 108.8/BDR on fld. | |
| GROTON (T) BVOR 108.4/GON | FSS: PROVIDENCE, R.I.; CS/T |
| RBN MHW 245/GON | |
| Remarks: Oper by State. | |
| HARTFORD (L) BVOR 114.9/HFD | FSS: WINDSOR LOCKS |
| RBN SBMHZ 329/HFD | |
| MADISON (L) BVORTAC 111.4/MAD | FSS: WINDSON LOCKS |
| NEW HAVEN (T) BVOR 110.0/HVN | FSS: WINDSOR LOCKS |
| NORWICH (L) BVORTAC 109.8/ORW | FSS: PROVIDENCE |
| PUTNAM (L) BVORTAC 113.8/PUT | FSS: WORCESTER |
| WINDSOR LOCKS | |
| §BRADLEY FIELD IFR 3W | FSS: WINDSOR LOCKS on Fld. 173 H95/6-24(3) (S-157, T-200, TT-400) BL5,6,8A,9,10 S5 F5, JP4,5 U2 DT2 VASI: Rwy 33 |
| Remarks: Rwy 6-24 A-Gear both ends. | |
| Tower 120.3 126.2 122.5R | Gnd Con 121.9 |
| Radar Services: | |
| App Con 119.4 124.6 122.5R | |
| Dep Con 125.35 | |
| ASR Rwnys 1, 19, 24, 33 Ceil 400 Vsby 1 mi Min Alt 573 | |

CONNECTICUT—Continued

ILS 110.3 I-BDL Apch Brg 058° LOM: 388/BD
Remarks: Glide slope rwy 6 unusable below 373'.

DELAWARE

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|---|------------------------------|
| DOVER (T) VOR 108.4/DOV | FSS: MILLVILLE |
| Remarks: Unrel 035-065° beyond 20NM | |
| KENTON (L) BVORTAC 116.8/ENO | FSS: MILLVILLE |
| WATERLOO (L) BVOR 112.6/ATR | FSS: SALISBURY |
| WILMINGTON | |
| §GREATER WILMINGTON IFR 4S | FSS: MILLVILLE (LC 652-5419) |
| 79 H70/1-19(4) (S-200, T-300, TT-500) BL4,6,8A,9 S5 F4, JP1 U2 DT2 | |
| Remarks: ILS apch zone rwy 1 has penetrations in the 50.1 plane. Rwy 5-23 clsd a/cft over 12,500 lbs. | |
| New Castle Tower 120.3 122.5R 110.3T | Gnd Con 121.9 |
| New Castle App Con 125.0 110.3T | |
| ILS 110.3 I-ILG Apch Brg 014° BC unusable LOM: 248/IL | |
| VHF/DF available, contact tower. | |
| New Castle (L) BVORTAC 114.0/EWT 067° 0.5 nmi to fld. | |

DISTRICT OF COLUMBIA

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| GEORGETOWN RBN MHW 323/GTN | |
| WASHINGTON | |
| §DULLES INTL IFR 21W | FSS: WASHINGTON (DL) |
| 313 H115/(IL-19R)(3) (S-200, T-290, TT-500) BL6,8A,9,10,14,15 S5 F5,JP1,JP5 U2 DT2 VASI: Rwy 12 RVV: Rwy 1R, 19L, 19R | |
| Remarks: RVR rwy 1R avail apch and roll out. | |
| Tower 120.1 122.7R | Gnd Con 121.9 |
| ±Climc Del 127.4 | |
| Radar Services: (BCN) | |
| App Con 119.2 126.1 | |
| Dep Con 125.55 | |
| PAR ¹ Rwy 1R Ceil 200 Vsby 1/2 mi Min Alt 513 | |
| ASR Rwnys 1R, 1L, 12, 19R, 19L Ceil 400, Vsby 1 mi, Min Alt 713 | |
| Rwy 30 Ceil 500, Vsby 1 mi, Min Alt 813 | |
| ILS 111.3 I-DLX Apch Brg 186° LMM 266/LX | |
| 109.3 I-DIA Apch Brg 006° LOM 346/DI | |
| Remarks: ¹ Radar monitoring of instrument apchs only at pilot's request. | |
| §WASHINGTON NATIONAL IFR 3S | FSS: WASHINGTON on Fld 15 H69/18-36(3) (S-100, T-200, TT-400) BL4,6,8A,9,10,11,14,15 S5 F5,JP1 U2 DT2 VASI: Rwy 15 RVV: Rwnys 18, 15 |
| RVR: Rwy 36 REIL Rwnys 15, 33, 3, 21, 18 | |
| Remarks: Very limited parking. Caution turbulence apch ends rwnys 21, 33 and 36. | |
| Tower 119.1 ¹ 122.5R | Gnd Con 121.7 |
| ±Climc Del 127.7 | |
| ATIS: 111.0 | |
| Radar Services: (BCN) | |
| App Con 120.8 ² 134.1 ³ 127.0 122.5R 118.3 ¹ 109.9T | |
| Dep Con 118.1 ¹ 126.55 ³ | |
| Tfc Info Ctc Ap Con on 119.3 | |
| PAR ⁴ Rwy 36 Ceil 200 Vsby 1/2 mi Min Alt 215 | |
| ILS 109.9 I-DCA Apch Brg 003° BC unusable LOM: 332/DC | |
| VHF/DF available, control tower. | |
| Washington (L) VORTAC 111.0/DCA at fld. | |
| Washington RBN H-SAB 332•/DC 001° 4.6 NM to fld. | |
| Remarks: ¹ West ² East ³ Andrews Sector. Circling PAR avbl on 15 min notice durg VFR conditions. ⁴ Radar monitoring instrument apchs only at pilot's request. VOT: 108.2. LOM is H-SAB. | |

FLORIDA

BISCAYNE BAY (L) BVOR 117.1/BSY FSS: MIAMI
CECIL (L) VORW 108.2/NCZ FSS: JACKSONVILLE
CRESTVIEW (H) BVORTAC 115.9/CEW FSS: CRESTVIEW
 RBn HW 350/CEW
CROSS CITY (L) BVOR 112.0/CTY FSS: GAINESVILLE
§DAYTONA BEACH MUNI IFR 3SW FSS: ORLANDO (LC255-4767)
 34 H57/6-24(3) (S-60, T-80, TT-) BL4,6,8A,9
 S5 F5, JP1 U2
 Remarks: Rgt Hc rnwy 6.
 Tower 120.7 126.2 122.5R Gnd Con 121.9
 App Con 123.9 122.5R 112.6T 109.7T
 ILS 109.7 I-DAB Apch Brg 065° LOM: 263/DA
 (H) BVORTAC 112.6/DAB 156° 7.4NM to fld.
DESTIN RBn HW 201/DES FSS: CRESTVIEW
EGLIN (L) VOR 110.8/VPS FSS: CRESTVIEW
EGMONT KEY RBn HW 310/H
§FT. LAUDERDALE-HOLLYWOOD INTL IFR 3SW AOE
 FSS: MIAMI (LC 524-0233)
 10 H74/9-27(3) (S-115, T-200, TT-400) BL4 S5 F5, JP1 U2
 Remarks: Rnwy 9-27 thresholds displaced 600' both ends
 1045' AGL twr 7NM SSW.
 Fort Lauderdale Tower 119.3 122.5R 111.4T
 Gnd Con 121.7
 Radar Services: (BCN)
 Miami App Con 123.9 119.7
 Miami Dep Con 123.9 119.7
 Ft Lauderdale (L) BVOR 111.4/FLL on fld.
 Ft Lauderdale RBn MHW 242/FL 135° 4.5NM to rnwy 13.
FORT MYERS (L) BVORTAC 117.6/FMY FSS: FORT MYERS
 RBn BH 341/FMY
FRANKLAND RBn MHW 368/FKD FSS: TAMPA
GAINESVILLE (H) BVORTAC 116.2/GNV FSS: GAINESVILLE
GREENVILLE (L) BVOR 109.0/GEF FSS: TALLAHASSEE
HOLLYWOOD
§NORTH PERRY SW FSS: MIAMI (LC 524-0233)
 9 H31/4-22(4) (Max-16) BL5 S5 F4 U2
 Remarks: Two way rdo required.
 Tower¹ 121.3 122.4R
 Remarks: ¹Oper 1200-0200Z.
HOMESTEAD (L) VOR 108.2/HST FSS: MIAMI
 RBn MHW 221/HST
HURLBURT RBn MH 242/HRT FSS: CRESTVIEW
 Remarks: Unmonitored 0500-1200Z.
JACKSONVILLE
§JIMESON IFR 5N FSS: JACKSONVILLE on Fld
 52 H79/5-23(3) (S-62, T-110, TT-200) BL4,6,12 S5 F5, JP4 U2
 RVV: Rnwy 5
 Remarks: Caution on ILS apchs. Brightly lighted bridge 1¼ mi
 SW of apch end of rnwy 5 could give false impression of being
 a rnwy during poor vis conditions. Rnwy 18-36 open for dalgt
 VFR operns. 1500' apch lgt sys rnwy 5. Rnwy 9 threshold dis-
 placed 410' E, rnwy 12 displaced 335' W. Jet arresting gear
 rnwy 5-23.
 Jacksonville Tower: 118.3 126.2 122.5R 110.3T
 Gnd Con 121.9
 Radar Services: (BCN)
 Jacksonville App Con 119.0 126.2 122.5R 120.3 114.5T
 110.3T Jacksonville Dep Con 124.9 126.2
 Tfc Info: Ctc App Con on 119.0 25 mi out.
 ASR Rnwys 23, 27, 30 Ceil 400 Vsby 1 mi Min Alt 452.
 Rnwys 5, 9, 12 Ceil 500 Vsby 1 mi Min Alt 552
 ILS¹ 110.3 I-JAX Apch Brg 045° BC unusable LOM: 221/JA

FLORIDA—Continued

Jacksonville (H) BVORTAC 114.5/JAX 250° 3.5NM to fld.
Jacksonville RBn H-SAB 344/JAX 270° 1.4NM to fld.
 VHF/DF available, contact tower
 Remarks: ¹Glide slope unusable below 150'. VOT: 111.0
§KEY WEST INTL IFR 2 E AOE FSS: KEY WEST on Fld
 4 H48/9-27(1) (S-30, T-40, TT-) BL4 S3 F4
 Remarks: Fee for commercial and hired acft only. Rgt Hc rnwy 9.
 Rnwy lgt on req after 0300 to Key West FSS.
 Tower¹ 119.5 122.5R Gnd Con 121.9
 Navy Key West App Con 118.7 122.5R
 VFR ADV Ctc Key West rdo 0300-1100Z
 (H) BVORTAC 113.5/EYW 128° 1.7NM to fld.
 RBn SBH 332/EYW 066° 1.2NM to fld.
 Remarks: ¹Oper 0600-2400 lcl time.
LA BELLE (L) BVOR 110.4/LBV FSS: FORT MYERS
§LAKE CITY MUNI 3 E FSS: GAINESVILLE
 202 H68/10-28(5) (S-75, T-140, TT-250) *L S5 F4 U1
 Tower¹ 126.2
 Remarks: ¹Oper 1300-2130 Mon-Fri; Controls Military Traffic only.
 Bcn ops on prior arrangement.
LAKELAND (H) BVORTAC 116.0/LAL FSS: TAMPA (LC 682-3258)
MARATHON RBn HW 260/MTM FSS: KEY WEST
MARIANNA (L) BVOR 114.0/MAI FSS: DOTHAN
MELBOURNE
§JOHN F KENNEDY MEML IFR 2 NW FSS: MELBOURNE on Fld
 32 H112/(9-27(3) (S-85, T-145, TT-270) BL4 S5 F4, JP5 U2
 Remarks: 9603' rnwy 9-27 available ngts, displaced threshold
 rnwy 27 1589'W
 Melbourne Tower¹ 118.2 122.5R Gnd Con 121.9
 Radar Services:
 Patrick App Con 118.4
 Patrick Dep Con 118.4
 Melbourne (L) BVOR 110.0/MLB on fld.
 Melbourne RBn HW 257/MLB 087° 2.1NM to fld.
 Remarks: ¹Oper 1145-0400Z daily.
MIAMI
§MIAMI INTL IFR 8 NW AOE FSS: MIAMI on Fld
 9 H105/9L-27R (4) (S-200, T-200 TT-400) BL4,6,8A,9,10 S5
 F5, JP1, JP5 VASI: Rnwy 12 RVV: Rnwys 9L, 27L
 Remarks: Fee. Clsd non engine acft.
 Tower 118.3 126.2 122.4R Gnd Con 121.8
 \$Cltc Del 127.5
 ATIS: 115.9
 Radar Services: (BCN)
 App Con 118.1¹ 120.5² 122.4R
 Dep Con 123.9 119.7
 Tfc Info Ctc Twr 20 mi out or remain above 2500'.
 ASR Rnwys 9L, 12, 27L, 27R Ceil 500 Vsby 1 mi Min Alt 509.
 Rnwys 9R, 30 Ceil 400 Vsby 1 mi Min Alt 409.
 ILS 110.3 I-MFA Apch Brg 087° LOM:⁴ 365/MF
 109.5 I-MIA² Apch Brg 267° LOM: 248/MI
 VHF/DF available, contact tower.
 (H) BVORTAC 115.9/MIA 139° 13.2NM to rnwy 12
 RBn H-SAB 365/MF 087° 4.5NM to rnwy 9L.
 Remarks: ¹090°-269° ²270°-089°, 1400' MSL rgrd durg apch to
 rnwy 27L, 27R & 30 til within 4.5 mi of end of rnwy of center-
 line extended. ³Glide slope rnwy 27 unusable below 175' MSL.
 VOT: 112.0 ⁴LOM is H-SAB.
§OPA LOCKA IFR 10 NW FSS: MIAMI
 9 H80/9L-27R(5) (S-96 T-155 TT-290) BL4, 6, S5 F5, JP1, JP4
 Remarks: Displaced thresholds all rnwys except 9L-27R. 1045'
 TV twr 5 NM NNE. JP-1 fuel avbl on 1 hrs notice. Clsd to
 non-engine acft.

FLORIDA—Continued

Tower¹ 120.7 118.6 122.7R Gnd Con 121.9
 Radar Services: (BCN)
 Miami App Con 120.5 118.1
 Miami Dep Con 123.9 119.7
 Remarks: ¹Oper 1100-0300Z.

§TAMiami 8 W FSS: MIAMI

10 H38/14 32 (3) BL4 S5 F4
 Remarks: Rgt tlc runways 9, 14. Clsd non-engine acft.
 Tower¹ 121.1 122.6R Gnd Con 121.7
 Radar Services:
 Miami Dep Con 123.9¹ 119.7²
 Remarks: ¹270°-089° ²090-269°. ³Ops 1200-0400Z.

OCALA (L) BVORTAC 112.8/OCF FSS: GAINESVILLE

ORLANDO

§HERNDON IFR 3 E FSS: ORLANDO on Fld

113 H60/7-25(3) (S-90, T-160, TT-300) BL4,6,8A,9 S5 F5,
 JP1 RVV: Rwy 7
 Remarks: NW-SE rwy NW Indg 5178' avbl, SE 5010' avbl.
 Tower 118.7 126.2 122.5R 112.2T 109.9T Gnd Con 121.7
 Clmc Del 121.7

Radar Services:
 Orlando App Con 119.4 124.8 122.5R 109.9T
 Orlando Dep Con 121.1
 Tfc Info Ctc App Con on 124.8 25 mi out.
 ASR Rnws 7, 13 Ceil 500 Vsby 1 mi Min Alt 613.
 Rnws 25, 31 Ceil 400 Vsby 1 mi Min Alt 513.
 ILS 109.9 I-ORL Apch Brg 067° LOM: 221/OR
 (H) BVORTAC 112.2/ORL on fld.

PAHOKEE (L) BVORTAC 112.4/PHK FSS: WEST PALM BEACH

PANAMA CITY (L) BVOR 108.4/PFN FSS: TALLAHASSEE

§PENSACOLA MUNI IFR 3 NE FSS: PENSACOLA on Fld

118 H50/16-34(2) (S-100, T-180, TT-320) BL4,6,8A,9 S3 F4,
 JP1 U2 RVV: Rwy 16
 Remarks: Overnight tie-down fee.
 Tower 119.9 126.2 122.5R 109.5T Gnd Con 121.9
 Radar Services: (BCN)
 App Con 123.9¹ 134.1 122.7R 119.0²
 Dep Con 119.0² 134.1 123.9¹
 Tfc Info Ctc App Con on 119.0 when Eastbound or arriving fm
 the East 123.9 Westbound or arriving fm the West.
 ILS 109.5 I-PNS Apch Brg 163° LOM: 400/PN
 RBN H-SAB 326°/PNS 343° 1.8NM to fld.
 Remarks: ¹West ²East

PERRINE RBN HW 266/PRR FSS: MIAMI

ST AUGUSTINE

§FAIRCHILD-ST AUGUSTINE 3N FSS: JACKSONVILLE

10 H65/13-31(3) (S-30) BL4,6 S5 F5
 Remarks: Rwy 2-20 and 6-24 clsd to acft over 12,500 lbs when
 twr not in opern.
 Tower¹ 126.2 123.1 122.5R
 Remarks: ¹Oper 1230-2115Z Mon-Fri.

ST. PETERSBURG

WHITTED 2E FSS: TAMPA (DL)

7 H33(2) (S60, T105, TT 190) BL4 S3 F4 JP4 U2
 Tfc Info: See Tampa Intl
 Remarks: Rgt tlc runways 6, 36.
 Tower 120.4 122.4R Gnd Con 121.8
 Remarks: To be comsd June 1. Ops 0600-2200.

§ST PETERSBURG-CLEARWATER INTL IFR 8N FSS: TAMPA

(LC 446-1168)
 10 H80/17-35 (3) (S-95, T-155, TT-200) BL4,6,8A,9 S5 F5,
 JP4 U2 RVV: Rwy 17
 Remarks: Rwy 4-22 clsd to night ops UFN.

FLORIDA—Continued

Tower 118.3 122.7R Gnd Con 121.9
 Radar Services (BCN)
 Tampa App Con 119.5 125.3 122.5R 118.5 116.4T 116.0T
 108.4T Tampa Dep Con 126.5
 ILS¹ 109.1 I-PIE Apch Brg 170° LOM: 240/PI
 St Petersburg (L) BVORTAC 116.4/PIE at fld.
 Remarks: ¹Glide slope unusable below 110'.

SANFORD NAS RBN SH 408/NRJ FSS: ORLANDO

§SARASOTA-BRADENTON IFR 3 N FSS: TAMPA (DL)

24 H50/13-31(3) S-62, T-110, TT-190) BL4,6 S5 F5, JP1 U2
 Remarks: Rwy 9-27 and all perimeter twys clsd to acft in excess
 12,500 lbs.
 Tower¹ 120.1 122.5R Gnd Con 121.9
 Radar Services: (BCN)
 Tampa App Con 119.5 125.3 122.5R 118.5 116.4T 108.4T
 Tampa Dep Con 126.5
 Sarasota (L) BVOR 108.4/SRQ at fld.
 Remarks: ¹Oper 1100-0500Z.

SAUFLEY (L) BVOR 108.8/NUN FSS: PENSACOLA

RBN MH 293/NUN

§TALLAHASSEE MUNI IFR 4 SW FSS: TALLAHASSEE on Fld

81 H61/18-36(2) (S-80, T-150, TT-270) BL4,6,8A,9 S5 F4, JP4 U2
 RVV: Rwy 36
 Tower 118.7 126.2 122.5R Gnd Con 121.9
 Clmc Del 121.9

App Con 118.1 122.5R 117.5T 110.3T

Dep Con 118.1

ILS¹ 110.3 I-TLH Apch Brg 358° LOM: 379/TL

(H) BVORTAC 117.5/TLH

RBN H-SAB 379°/TL 358° 4.1NM to fld.

Remarks: ¹Glide slope unusable below 160' MSL. VOT: 111.0
 LOM is HSAB.

§TAMPA INTL IFR 3 W AOE FSS: TAMPA on Fld

27 H83/18L-36R(3) (S-90, T-150, TT-270) BL4,6,8A,9,14 S5
 F5, JP1, JP4, JP5 RVV: Rwy 18L
 Remarks: Rnws 18R and 36R clsd to Indgs of all acft over
 12,500 lbs GWT.

Tower 119.9 126.2 122.5R 110.3T Gnd Con 121.7

Radar Services (BCN)

App Con 119.5 125.3 122.5R 118.5 116.0T 116.4T 108.4T

Dep Con: 126.5

Tfc Info Ctc App Con within a 25 mi radius of MacDill AFB
 on 118.5.

ILS¹ 110.3 I-TPA Apch Brg 181° LOM: 251/TP

RBN H-SAB 388°/AMP 001° 6.1NM to rwy 36

VHF/DF: avail ctc FSS

Remarks ¹Glide slope unusable below 150'. VOT: 111.0

TAYLOR (L) BVOR 113.8/TAY FSS: VALDOSTA

TYNDALL (L) VOR 117.7/PAM FSS: TALLAHASSEE

RBN HW 227/AAN

VERO BEACH (H) BVORTAC 117.3/VRB FSS: VERO BEACH

WEST PALM BEACH

§PALM BEACH INTL IFR 3 W AOE FSS: MIAMI (LC 832-5697)

19 H80/9-27(2) (S-85, T-400, TT-) BL4,6,8A,9 S5 F5 JP4
 RVV: Rwy 9

Remarks: Rgt tlc runways 9 and 13.

Tower 119.1 126.2 122.7R Gnd Con 121.9

App Con 118.0 122.7R 115.5T 109.3T

ILS¹ 109.3 I-PBI Apch Brg 093° LOM: 356/PB

Palm Beach (H) BVORTAC 115.5/PBI 095° 2.8NM to fld.

Palm Beach RBN HW 356/PB 090° 1.9 NM to fld.

Remarks: ¹Glide slope unusable below 150'. VOT: 109.0
 LOM is HW.

FLORIDA—Continued

WHITTING NAAS (L) BVOR 113.0/NSE FSS: PENSACOLA
RBN MHW 368/NSE

GEORGIA

ALBANY (L) BVOR 112.9/ABY FSS: ALBANY

ALMA (H) BVORTAC 115.1/AMG FSS: ALMA

ATHENS (L) BVORTAC 109.6/AHN FSS: ANDERSON

ATLANTA

§ATLANTA MUNI IFR 7SSW FSS: ATLANTA

1024 H100(9L-27R(4) (S-100, T-170, TT-340) BL5,6,8A,9,10,11 S5 F5,
JP1 U2 VASI: Rnwy 27R, 27L RVR: Rnwy 9L, 9R¹, 33 REIL: Rnwy
27R.

Remarks: Aprxly 2100' of W end rnwy 9R-27L not visible from
twr. TV towers 1042' (2049' MSL) 8.5 NM NE. 1076' (2049'
MSL) 7.5 NM NE. 1100' (2049' MSL) 10 nmi NE. Commercial Fee
only. ¹Avail for apch and roll out.

Tower 119.1 122.7R Gnd Con 121.9

†Circ Del 121.6 (Ctc 10 min prior taxing)

ATIS: 111.8 111.0

Radar Services: (BCN)

App Con 127.7 (N of V18N) 118.1 (S of V18N) 109.9T
109.3T 110.5T

Term Con 119.3 (S of V18N) 119.8 (N of V18N)

Dep Con 125.7

Tfc Info Inbnd VFR acft ctc trml radar service 25NM out.

PAR ²Rnwy 9L Ceil 200 Vsby 1/2 mi Min Alt 1224.

ASR Rnwys 3, 27L, 27R, 33 Ceil 400, Vsby 1 mi, Min Alt 1424.
Rnwys 9L, 9R, 15 Ceil 500, Vsby 1 mi, Min Alt 1524.

ILS 109.9 I-ATL Apch Brg 089° BC unusable LOM: 375/AT

109.3 I-AZA Apch Brg 329° BC unusable LOM: 344/AZ

110.5 I-ALR Apch Brg 089° LOM: 254/AL

(H) BVORTAC 115.6/ATL 016° 8.1NM to fld.

RBN H-SAB 266°/ATL 270° 4.7NM to rnwy 27R.

Remarks: ¹Glide slope rnwy 33 unusable below 1085' MSL.

²Radar monitoring of instrument apchs only at pilot's request.

VOY: 111.0

§DEKALB-PEACHTREE IFR 8 NE FSS: ATLANTA

1002 H40/16-34(3) (Max 60) BL4,6,8, S5 F4, JP4 U2

Remarks: Cil twr unuable to see first 1000' rnwy 2. TV towers
1042 (2049' MSL) 7.5NM SSW; 1076' (2049 MSL) 8NM SSW;
1100' (2049' MSL) 5NM SSW. Two unlgtd 8' bldgs 480 NNE
intsrn rnwy 16-34 and 9-27, 160' E of rnwy 16-34.

Peachtree Tower¹ 121.3¹ 122.5R Gnd Con 121.7

Radar Services:

Atlanta App Con 120.5 Atlanta Dep Con 123.8

Remarks: ¹Oper 1200-0400Z. ²To be replaced by 120.9 May 15.

§FULTON COUNTY IFR 6W FSS: ATLANTA on Fld

839 H52/8-26(2) (S50, T-77, TT-) BL4, 11 S5 F5

REIL: Rnwy 8.

Remarks: Towers 1042' (2049' MSL) 9 NM E. 1076' (2049'
MSL) 8NM E. 110' (2049' MSL) 9.5 NM E.

Tower¹ 118.5 120.7 122.6R 245T Gnd Con 121.7

Radar Services:

Atlanta App Con 120.5 Atlanta Dep Con 123.8

VHF/DF available, contact Atlanta area radio.

(L) BVOR 108.2/FTY on fld.

RBN MH 245/FTY on fld

Remarks: ¹oper 1200-0400Z.

AUGUSTA

§BUSH FIELD IFR 6S FSS: AUGUSTA on Fld

145 H80-17-35(2) (S-150, T-200, TT-360) BL4,6,8A,9 S5

F5, JP1, JP4 U2

Remarks: 1506' (1882' MSL) twr 7NM ENE and 1292' (1677'
MSL) twr 7NM NE.

GEORGIA—Continued

Augusta Tower 118.7 126.2 122.5R 110.5T

Gnd Con 121.9

Augusta App Con 125.4 122.5R 113.9T 110.5T

ILS¹ 110.5 I-AGS Apch Brg 349° BC unusable LOM: 233/AG

Augusta (H) BVORTAC 113.9/AGS 141° 12.7NM to fld.

Augusta RBN HW 385/AGS 167° 4.9NM to rnwy 17.

VHF/DF avail ctc CS/T.

Remarks: ¹Glide slope unusable below 245' MSL.

BLAKELY RBN MHW 365/BLG FSS: DOTHAN

BRUNSWICK (L) BVOR 109.8/SSI FSS: BRUNSWICK

COLUMBUS

§MUSCOGEE COUNTY IFR 4NE FSS: ATLANTA

397 H50/5-23(2) (S-60, T-80, TT) BL4,6 S5

F5, JP5 U2

Remarks: Rnwy 12-30 closed to ngt Indgs.

Tower 120.1 122.5R Gnd Con 121.9

ILS¹ 110.3 I-CSG Apch Brng 053° BC unusable LOM: 355/CS

Columbus (L) BVOR 117.1/CSG 148° 6.8NM to fld.

Remarks: ¹Glide slope unusable below 697'.

DOBBINS RBN HW 296/MGE

DUBLIN (L) BVOR 113.1/DBN FSS: MACON

GAY FARMS RBN MHW 329/GAY

GLYNCO RBN HW 275/NEA FSS: BRUNSWICK

HARRIS (L) BVOR 110.4/HR5

LA GRANGE (L) BVOR 109.4/LGC FSS: ANNISTON

LAWSON (L) VOR 111.4/LSF

RBN 335/AWS

Remarks: VOR inoperative UFN.

LIBERTY RBN MHW 263/HIN FSS: SAVANNAH

LOST MOUNTAIN RBN HW 314/LSM

§MACON MUNI IFR 9S FSS: MACON on Fld

354 H50/5-23(2) (S-30, T-50, TT-85) BL4,6,8A,9 S3

F5, JP1 U2 RVV: Rnwy 5

Tower 118.3 122.5R 109.5T Gnd Con 121.7

Radar Services: (BCN)

App Con 119.6 134.1 124.2 122.7R 114.2T 109.5T

Dep Con 124.8

ASR Rnwys 5, 13, 23 Ceil 500 Vsby 1 mi Min Alt 854.

ILS¹ 109.5 I-MCN Apch Brg 047° BC unusable LOM: 290/MC

(H) BVORTAC 114.2/MCN at fld.

VHF/DF available, contact Macon FSS.

Remarks: ¹Glide slope unusable below 450' MSL.

MCDONOUGH (L) BVORTAC 113.6/MDU FSS: ATLANTA

MOULTRIE (L) BVOR 108.8/MGR FSS: VALDOSTA

NORCROSS (L) BVORTAC 116.6/OCR FSS: ATLANTA

REX (L) VOR 111.8/REG FSS: ATLANTA

ROME (L) BVOR 115.4/RMG FSS: ATLANTA

RBN MHW 388/RMG

ROYSTON (L) BVOR 110.0/RYN FSS: ANDERSON

SAVANNAH

§TRAVIS FIELD IFR 7NW FSS: SAVANNAH on Fld

50 H90/9-27(3) (S40-T60-TT-110) BL4,6,8A,9 S5

F4, JP5 RVV: Rnwy 9

Remarks: Rnwy 27 threshold displaced 400'. Rnwy 5-23 clsd
all acft in excess 12,500 lbs GWT. Jet barrier and arresting
gear rnwy 9-27

Savannah Tower 119.1 126.2 122.5R 110.1T

Gnd Con 121.9

Radar Services: (BCN)

Savannah App Con 125.3 126.2 122.7R 121.1 112.7T

Savannah Dep Con 125.7

GEORGIA—Continued

ILS 109.9 I-SAV Apch Brg 092° LOM: 368/SA
Savannah (H) BVORTAC 112.7/SAV 246° 4.3NM to fld.
Remarks: VOT: 111.0

TOCCOA (L) BVOR 109.8/TOC FSS: ANDERSON
VALDOSTA (L) BVOR 110.4/VLD FSS: VALDOSTA
VIENNA (L) BVORTAC 116.5/VNA FSS: MACON
WAYCROSS (L) BVORTAC 110.2/AYS FSS: ALMA

IDAHO

§BOISE AIR TERMINAL IFR 3S FSS: BOISE on Fld
2850 H90 (10R-28L)(2) (S100, T-185, TT-300) BL4,6,8A,9
S5 F5, JP1,4 U2 RVV: Rnwy 10L
Remarks: Rgt tlc rnwys 10R, 28R. Jet barriers and arresting gear
Rnwy 10R-28L plus jet barriers with donut supported cable aprxly
1000' in from threshold lgts on rnwy 10R-28L.
Tower 118.1 122.5R Gnd Con 121.7
App Con 118.9 113.3T
ILS 109.9 I-BOI Apch Brg 096° LOM: 278/BO
(H) BVORTAC 113.3/BOI on fld.
RnBn SABH 359°/BOI 117° 2.1NM to fld.

BURLEY (L) BVORTAC 114.1/BYI FSS: BURLEY
RnBn SBH 272/BYI

COEUR D' ALENE RnBn HW 347/COE FSS: SPOKANE

DUBOIS (H) BVORTAC 116.9/DBS FSS: IDAHO FALLS

§IDAHO FALLS

FANNING FIELD IFR 2NW FSS: IDAHO FALLS on Fld
4739 H75/2-20(2) (S-30, T-90, TT-150) BL5,6 S5 F4, JP5
Remarks: Rnwy 20 threshold displaced 930' SW. 6600' avbl
Indg rnwy 20. Rnwy 16 threshold displaced 655' S. 4495' avbl
Indg rnwy 16. Rgt tlc rnwys 16 & 20.
Tower¹ 118.5 122.5R 278T Gnd Con 121.7
Idaho Falls (L) BVOR 108.2/IDA on fld.
Idaho Falls RnBn H-SABZ 350°/IDA 199° 2.2NM to rnwy 20.
VHF/DF available ctc FSS.
Remarks: ¹Oper 1300-0500Z.

LEWISTON (L) BVOR 108.2/LWS FSS: WALLA WALLA

MALAD CITY (H) BVORTAC 117.4/MLD FSS: MALAD CITY

McCALL (H) BVORTAC 116.2/MYL FSS: BOISE

MULLAN PASS (H) BVORTAC 117.8/MLP FSS: MULLAN PASS

§POCATELLO MUNI IFR 7NW FSS: POCATELLO on Fld
4448 H82/3-21(3) (S30, T80, TT130) BL5,6,9,12 S5 F4 JP1
U2 RVV: Rnwy 21
Remarks: 1500' sequence flashing lgts. Surface areas of rnwys
7-25 and 16-34 are not visible from twr. However, acft on
rnwy surfaces are visible.
Tower 119.1 122.5R Gnd Con 121.9
ILS 110.3 I-PIH Apch Brg 208° LOM: 219/PI
(L) BVORTAC 114.4/PIH 033° 3.1NM to fld.

TWIN FALLS (L) BVOR 115.8/TWF FSS: BURLEY

ILLINOIS

ALTON RnBn MHW 263/ALN FSS: ST. LOUIS

BELLEVILLE RnBn MHW 362/BL

BIBLE GROVE (L) BVOR 109.0/BI8 FSS: VANDALIA

BLOOMINGTON (L) BVOR 108.2/BMI FSS: PEORIA

BRADFORD (H) BVORTAC 114.7/BDF FSS: PEORIA

CANAKIA RnBn MHW 375/CPS
Remarks: Non-federal facility.

ILLINOIS—Continued

CAPITAL (H) BVORTAC 112.7/CAP FSS: VANDALIA

CARBONDALE RnBn BMH 248/MDH FSS: CAPE GIRARDEAU

CENTRALIA (H) BVORTAC 115.0/ENL FSS: VANDALIA

CHAMPAIGN

§UNIVERSITY OF ILLINOIS-WILLARD IFR 4SSW

FSS: CHAMPAIGN on Fld

753 H53/13-31(3) (S63, T90, TT170) BL4 S5 F4
U2 DT2

Remarks: Use rnwys—turf usable by permission.

Champaign Tower 120.5 122.5R Gnd Con 121.9

Champaign App Con 119.8 122.5R 120.5 110.0T

VFR ADV: Ctc App Con on 119.8.

ILS 109.1 I-CMI Apch Brg 313° LOM: 407/CM

Champaign (L) BVORTAC 110.0/CMI on fld.

CHANUTE (L) VORW 117.2/RAN FSS: LAFAYETTE
RnBn HWZ 281/RAN

CHICAGO (West Chicago)

§DUPAGE COUNTY IFR 3NW

FSS: JOLIET (DL)

758 H40/10-28(3) (Max-15) BL4,9*,13 S5 F4 JP4 U2 DT2

Remarks: *Non-standard, 1000' down cntr-line. Rnwy 5-23 clsd
to all twin eng acft in winds below 15 kts.

Tower¹ 120.9 122.5R 342T Gnd Con 121.7

Remarks: ¹Oper 0600-2200 lcl time.

CHICAGO

§MERRILL C MEIGS FIELD 1E

FSS: JOLIET (DL)

592 H39/18-36(1) (MAX 15) BL6,11 F4 JP1 U2 DT2
REIL: rnwy 36.

Remarks: U.S. Customs Indgs rights arpt. No student flying
permitted. Fld clsd under following 90° to rnwy wind con-
ditions: (1) 15 knots or more to acft 1,500 lbs or less. (2) 20
knots or more to single eng acft except tricycle or caster gear
acft. (3) 25 knots or more to all acft. Fld clsd daily to all
opers b/n hrs 2400 and 0600 lcl time due, no safety or svcs
fac; no lgts except outin lgts dur this period. Rgt tlc N.
Minor power plant repairs.

Meigs Tower¹ 121.3 127.4 122.5R Gnd Con 121.9

Chicago Dep Con: 119.5

VFR ADV Ctc twr on 127.4 st: 10 mi out.

Remarks: ¹Oper 0600-2400.

§CHICAGO-MIDWAY IFR 9SW AOE FSS: JOLIET (DL)

619 H65/13R-31L(6) (S-130, T-200, TT-400) BL2,4,6,8A,9,11
S5 F5, JP1 U2 DT2 RVV: Rnwy 13R REIL: Rnwy 22L

Remarks: Customs svc avbl 0800-1700 cst Mon-Fri. Two hrs adv
notice rqrd to provide svc outside business hrs and on holiday
plus overtime charges. Acft for which svcs of Public Health
and Immigration rqrd must lnd Chicago-O'Hare Intl Arpt.

Midway Tower¹ 118.7 126.2 123.7 122.7R 109.9T 109.5T

Gnd Con 121.7

Radar Services:

Chicago App Con 119.5 126.2 124.7 124.2 122.6R
118.4 113.9T 110.1T 109.7T

Chicago Dep Con¹ 124.2 119.2

Tfc Info Ctc Chicago App Con on 119.5.

PAR² Rnwy 13R Ceiling 300 Vsby $\frac{3}{4}$ mi Min alt 919

ASR Rnwys 4R, 9, 13R, 18, 27, 31L, 36 Ceil 500 Vsby 1 mi
Min Alt 1119.

Rnwys 22L, 22R Ceil 600 Vsby 1 mi Min Alt 1219.

ILS 109.9³ I-MDW Apch Brg 132° BC unusable LOM: 219/MD

109.5⁴ I-MXT Apch Brg 312° BC unusable LOM: 248/MX

Chicago RnBn H-SAB 350°/MDW

VHF/DF available, contact tower.

Remarks: ¹Midway twr provides radar coverage to departure acft
in the immediate area of Midway. ²PAR unusable from MM

ILLINOIS—Continued

to touchdown. Radar Monitoring of instrument apchs only at pilot's request. ³Glide slope rwy 13R unusable below 870' MSL. Front crs rwy 13R usable lmt'd to 60° arc either side crs to 25 mi 7000' MSL. ⁴Glide slope rwy 31L not comnd. VOT: 111.0. LOM is Kedzie MHW.

§CHICAGO-O'HARE INTL IFR 14NW FSS: JOLIET (DL)
667 H116/14R-32L(5) (S-120, T-200, TT-375) BL4,6,8A,9,10,11
S5 F5, JP1, JP4 U2 RVR: 14R, 14L, 32L
RVV: Rnwys 4, 9, 27, 32R REIL: Rnwys 4, 22, 32R VASI: Rwy 22
Remarks: Motel sign 1 1/4 mi from apch end of rwy 32L maybe mistaken for apch lgt.
O'Hare Tower 118.1 126.2 122.6R 120.7 110.1T 109.7T
±Climb Del 121.6 Gnd Con 121.9
ATIS: 124.2, 113.9
Radar Services: (BCN)
Chicago App Con 125.7¹ 126.2 124.7 124.2 122.6R
119.0² 118.4 113.9T 110.1T 109.7T
Chicago Dep Con 125.4 125.0 124.2
Tfc Info All inbnd acft ctc Chicago App Con on 119.0 from the E, 125.7 from the W.
PAR Rnwys 14R, 27, 32L Ceil 200 Vsby 1/2 mi Min Alt 867.
Rnwys 4, 14L, 22, 32R Ceil 300 Vsby 3/4 mi Min Alt 967.
ASR Rnwys 14L, 14R, 22, 27, 32L, 32R Ceil 400 Vsby 1 mi Min Alt 1067
Rwy 4 Ceil 600 Vsby 2 mi Min Alt 1267.
ILS 109.7 I-ORD Apch Brg 138° (14R) LOM: 394/OR
110.1 I-OHA Apch Brg 138° LOM: 368/OH
110.5 I-IAC Apch Brg 268° BC unusable LOM: 414/IA
109.1 I-RVG Apch Brg 318° LOM: 257/RV
111.1 I-IDN Apch Brg 318° LOM 385/ID
(L) VORTAC 113.9/ORD on fld.
VHF/DF available, ctc twr.
Remarks: ¹180°-359° ²360°-179°. On an ASR apch to rwy 22 do not descend below 1200' MSL til radar advises passing 3 mi radar fix from end of rwy. Glide slope rwy 14L unusable below 900'. VOT: 112.0.

CHICAGO HEIGHTS (L) BVORTAC 114.2/CGT FSS: JOLIET

CORDOVA (L) BVOR 111.2/CVA FSS: MOLINE

DANVILLE (L) BVORTAC 111.0/DNV FSS: LAFAYETTE

DECATUR MUNI IFR 4E FSS: VANDALIA (DL)
679 H53(3) BL4, 11 S5 F4 JP1 U-1
Remarks: REIL rwy 18, 36
Tower: 118.9 122.5R Gnd Con 121.9
(L)BVOR 110.6/DEC 348° 5.4 NM to rwy 36
Remarks: Oper 0700-2300 lcl time.

DU PAGE (T) BVOR 108.4/DPA FSS: JOLIET

FT. SHERIDAN RBN MH 326/FSN FSS: JOLIET

GALESBURG (T) BVOR 109.8/GBG FSS: BURLINGTON

GLENVIEW RBN MH 269/NBU FSS: JOLIET

HARRISBURG-RALEIGH RBN MHW 230/HSB FSS: CAPE GIRARDEAU
Remarks: Pvt Fac.

JOLIET (H) BVORTAC 112.3/JOT FSS: JOLIET

KANKAKEE RBN MHW 272/IKK

KEDZIE RBN MHW 248/MX FSS: JOLIET

MARION (L) BVOR 110.4/MWA FSS: CAPE GIRARDEAU

MATTOON (T) BVOR 109.4/MTO FSS: VANDALIA
RBN HW 347/MTO

MOLINE

§QUAD CITY IFR 3S FSS: BURLINGTON (DL)
590 H55/9-27(3) (S-56, T-82, TT-140) BL4,6,8A,9 S5 F5,
JP4 U2 DT2 RVV: Rwy 9

ILLINOIS—Continued

Tower 118.5 122.5R 110.3T Gnd Con 121.9
Moline App Con 114.4T 111.2T 110.3T 224T
ILS 110.3 I-MLI Apch Brg 087° LOM: 215/ML
Moline (L) BVORTAC 114.4/MLI 032° 9.3NM to fld.

MOUNT VERNON RBN MHW 414/MVN FSS: ST. LOUIS (DL)
Remarks: Owned and operd by Mt. Vernon Airport Authority.

NAPERVILLE (L) BVOR 116.0/API FSS: JOLIET

NORTHBROOK (H) BVORTAC 113.0/OBK FSS: JOLIET

PALESTINE RBN MHW 391/PLX FSS: TERRE HAUTE

PEORIA

§GREATER PEORIA IFR 4W FSS: JOLIET
659 H70/12-30(4) (S-65, T-90, TT-170) BL4,6,8A,9 S5 F5,
JP1 U2 DT2 RVV: Rwy 30
Remarks: Rwy 18 clsd air carrier ngt lndgs. Arresting gear rwy 12-30. 5' unlgd fence apch and rwy 22.
Peoria Tower 119.1 125.8 122.5R Gnd Con 121.9
Peoria App Con 125.8 122.5R 115.2T 109.9T
VFR ADV Ctc App Con on 125.8
ILS 109.9 I-PIA Apch Brg 303° LOM: 356/PI
Peoria (L) BVORTAC 115.2/PIA 095° 4.0NM to fld.
Peoria RBN MHW 356/PI 303° 5.3NM to fld.
Remarks: LOM is MHW.

PEOTONE (L) BVORTAC 113.2/EON FSS: JOLIET

POLO (L) BVORTAC 117.1/PLL FSS: ROCKFORD

PONTIAC (L) BVOR 109.6/PNT FSS: PEORIA

§QUINCY MUNI-BAIDWIN FLD IFR 9E FSS: QUINCY on Fld
769 H54/3-21(3) (S65, T-90, TT-170) BL4,6 F4 JP1 DT2
ILS¹ 1110.1 I-UIN Apch Brg 035° LOM: 293/UI
Quincy (L) BVORTAC 113.1/UIN 029° 6.4NM to fld.
Quincy RBN MHW 293/UI 035° 3.9NM to rwy 3.
Remarks: ¹Glide slope unusable below 950' MSL. LOM is MHW.

ROBERTS (L) BVORTAC 116.8/RBS FSS: CHAMPAIGN

ROCKFORD

§GREATER ROCKFORD IFR 4S FSS: ROCKFORD on Fld
735 H60/18-36(3) (S-75, T-100, TT-) BL4,6,8A,9 S5 F4,
JP1 DT2 RVV: Rwy 36
Rockford Tower 118.3 122.5R 109.3T 362T Gnd Con 121.9
VFR ADV Ctc App Con on 124.9
Rockford App Con 124.9 118.3 122.5R
ILS 109.3 I-RFD Apch Brg 002° LOM: 275/RF
Rockford (L) BVORTAC 110.8/RFD 114° 6.0NM to fld.

SCOTT (L) VOR 112.2/BLV FSS: ST. LOUIS

SAMSVILLE (L) BVOR 116.6/SAM FSS: EVANSVILLE

SPRINGFIELD

§CAPITAL IFR 3NW FSS: VANDALIA (DL)
593 H70/4-22(3) (S-85, T-120, TT-210) BL4,6,8A,9,11 S5
F4, JP4, U2 DT2 RVV: Rwy 4 REIL: Rwy 22.
Remarks: Jet barrier rwy 4-22.
Tower 121.3 122.5R Gnd Con 121.9
VFR ADV Ctc App Con on 118.6 aprx 25NM out
Springfield App Con 118.6 121.3 112.7T 109.5T 379T
ILS 109.5 I-SPI Apch Brg 038° LOM: 379/SP
Springfield RBN MHW 379/SP
Remarks: LOM is MHW.

TROY (L) BVORTAC 116.0/TOY FSS: ST. LOUIS

VANDALIA (L) BVOR 114.3/VLA FSS: VANDALIA

WAUKEGAN RBN MHW 379/UGN

INDIANA

| | | |
|----------------------|-----------|-------------------|
| ANDERSON RBN MHW | 371/AID | FSS: INDIANAPOLIS |
| BAKALAR RBN HW | 410/BAK | FSS: INDIANAPOLIS |
| RBN MHW | 201/BXR | |
| BLOOMINGTON (L) BVOR | 110.2/BMG | FSS: INDIANAPOLIS |
| BUNKER HILL (L) VOR | 112.5/BHL | FSS: INDIANAPOLIS |
| RBN MHW | 365/BHL | |
| COLUMBUS RBN MHW | 375/CLU | FSS: INDIANAPOLIS |

EVANSVILLE

§DRESS MEMORIAL IFR 3N FSS: TERRE HAUTE (DL)
 389 H60/3-21(3) (S-70, T-90, TT-) BL4.6 S5 F5 TPI U2 DT2
 Remarks: P-line apch rwy 21. Acft not vis from ctl twr on final
 apch to rwy 9 within 1500' apch end at alt of 100' AGL or
 below.
 Evansville Tower 118.7 122.5R Gnd Con 121.9
 Evansville App Con 119.4 122.5R 118.7 113.3T 109.9T
 VFR ADV: Ctc App Con on 119.4
 ILS 109.9 I-EVV Apch Brg 215° BC unusable LOM: 219/EV
 Evansville (H) VORTAC 113.3/EVV 12.4NM to fld.

FT. WAYNE

§BAER FIELD IFR 6SSW FSS: FORT WAYNE on Fld.
 801 H80/4-22(3) (S-90, T-120, TT-) BL4,6,8A,9,11 S5
 F5, JPI U2 RVV: Rwy 31 REIL: Rwy 22
 Remarks: P-line apch rwy 31. Ctl twr unable to see acft on
 final apch for rwy 9 when within 1500' of apch end below
 100' AGL or ctl tlc on first 500' rwy 9. Jet barrier rwy 4-22.
 Fort Wayne Tower 119.1 126.2 122.5R Gnd Con 121.9
 Radar Services: (BCN)
 Fort Wayne App Con 125.5 127.2 126.2 122.5R
 117.8T 109.9T Fort Wayne Dep Con 118.6
 Tlc Info Inbnd VHF equipped acft ct App Con on 125.5
 at least 15NM out.
 ASR Rnws 4, 9, 13, 27, 31 Ceil 400, Vsby 1 mi, Min Alt 1201.
 Rnws 22 Ceil 500, Vsby 1 mi, Min Alt 1301.
 ILS¹ 109.9 I-FWA Apch Brg 315° LOM: 251/FW
 Fort Wayne (H) BVORTAC 117.8/FWA on fld.
 Fort Wayne RBN MHW 251/FW 315° 3.9NM to rwy 31
 Remarks: Do not descend below 1500' MSL til radar advised
 passing fix 3 miles from end of rwy 22 due to 1155' MSL twr
 3.8 miles NE. ¹Lclsr unusable above 6000' MSL. Glide slope
 unusable below 1001' MSL. VOT: 111.0. LOM is MHW.

GOSHEN (L) BVORTAC 116.6/GSH FSS: SOUTH BEND
 RBN SBMM 215/GSH

§INDIANAPOLIS MUNI (Weir Cook) IFR 7SW

FSS: INDIANAPOLIS on Fld
 797 H100/13-31(2) (S-100, T-150, TT-270) BL6,8A,9,10,11,15
 S5 F4, JPI,4 U2 VASI: Rwy 22 RVR: Rwy 4, 31
 Remarks: Fee multi-eng commercial acft.
 Tower 120.9 126.2 122.5R 121.3 116.3T 109.3T
 Cinc Del 125.7 Gnd Con 121.9
 Radar Services:
 App Con 126.2 122.7R 122.5R 119.3¹ 118.5 118.1²
 116.3T 109.3T Dep Con 121.1 121.3
 Tlc Info Ctc App Con on 119.3, 118.5 or 118.1
 PAR² Rwy 4 Ceil 200 Vsby ½ mi Min Alt 997
 ASR Rnws 4, 13, 22, 31 Ceil 400 Vsby 1 mi
 Min Alt 1197
 ILS 109.3 I-IND³ Apch Brg 044° LOM 266/IN
 110.5 I-COA Apch Brg 313° LOM: 232/CO
 (H) BVORTAC 116.3/IND 142° 6.1NM to fld.
 RBN H-SAB 266°/IN 044° 6.8NM to rwy 4

INDIANA—Continued

VHF/DF available contact FSS.

Remarks: ¹220-044° ²045-219° ³Radar monitoring of instrument
 aprcs only at pilot's request. VOT: 109.0 LOM is H-SAB.

KNOX (L) BVOR 108.8/OXI FSS: SOUTH BEND

KOKOMO (L) BVOR 109.8/OKK FSS: INDIANAPOLIS
 RBN MHW 227/OKK

LAFAYETTE

§PURDUE UNIVERSITY IFR 1SW FSS: LAFAYETTE on fld
 605 H54/10-28(2) (S35 T53 TT80) BL5 S3 F5 JP;
 Remarks: Fee for acft 12,500 lbs and over. Rwy lgt thru
 Lafayette rdo.
 ILS 110.3 I-LAF Apch Brg 098° LOM: 401/LA
 Lafayette (H) BVORTAC 115.6/LAF 143° 10.6NM to fld.

LEWIS (H) BVORTAC 115.3/LEU FSS: TERRE HAUTE

MARION (T) BVOR 108.6/MZZ FSS: INDIANAPOLIS

MONTEREY (L) BVOR 111.4/MOI FSS: FORT WAYNE

MUNCIE

§DELAWARE COUNTY (Johnson Fld) IFR 3N FSS: INDIANAPOLIS (DL)
 937 H51/14-32(2) (S-70, T-90, TT-150) BL4 S5 F4 JPI U2
 Remarks: P-line in NW apch 3480' off end runway 14.
 Muncie Tower¹ 120.1 122.5R Gnd Con 121.9
 Muncie (L) BVOR 113.7/MIE
 Remarks: ¹Oper 1200-0400Z.

NABB (L) BVOR 113.5/ABB FSS: LOUISVILLE

RICHMOND (L) BVOR 110.6/RID FSS: DAYTON
 RBN MHW 385/RID

SCOTLAND (L) BVORTAC 111.2/SCJ FSS: TERRE HAUTE

SHELBYVILLE (L) BVOR 112.0/SHB FSS: INDIANAPOLIS

SOUTH BEND

§ST. JOSEPH COUNTY IFR 3NW FSS: SOUTH BEND on Fld
 785 H60/9-27(4) (S-110, T-145, TT-) BL4,6,8A,9 S4
 F5, JPI U2 RVV: Rwy 27
 Remarks: P-lines NE, S. 1048' (1918' MSL) TV twr 7.5 NM SE.
 South Bend Tower 118.9 122.5R 115.4T 109.3T
 Gnd Con 121.9
 South Bend App Con 121.0 122.5R 115.4T 109.3T
 VFR ADV: Ctc App Con on 121.0
 ILS 109.3 I-SBN Apch Brg 269° LOM: 341/SB
 South Bend (L) BVORTAC 115.4/SBN 180° 3.5NM to fld.

TERRE HAUTE

§HULMAN FIELD IFR 5E FSS: TERRE HAUTE on Fld
 585 H90/5-23(3) (S-100, T-150, TT-270) BL4,6 S3 F4, JPI
 U2
 Remarks: 1254' overrun NE end rwy 5. Rwy 18-36 clad to
 acft over 25,000 lbs. Jet barrier rwy 5-23.
 Tower 118.3 126.2 122.5R Gnd Con 121.9
 App Con 123.8 126.2 122.5R 118.3
 VFR ADV Ctc App Con on 123.8
 ILS 109.7 I-HUF Apch Brg 045° LOM: 245/HU
 Terre Haute (L) BVORTAC 111.8/HUF 229° 3.0NM to fld.
 Terre Haute RBN MHW 245/HU 045° 4.7 NM to rwy 4.
 Remarks: LOM is MHW.

WESTPOINT (L) BVOR 109.2/EPT FSS: LAFAYETTE

WOLF LAKE (L) BVOR 110.4/OLK FSS: FT. WAYNE

IOWA

AMES RBN MHW 275/AMW FSS: DES MOINES
 Remarks: Operd by city.

IOWA—Continued

ATLANTIC RBN MHW 365/AIO FSS: OMAHA
Remarks: VFR use only. Owned and operd by city.

BURLINGTON (L) BVORTAC 111.4/BRL FSS: BURLINGTON

§CEDAR RAPIDS MUNI IFR 5SSW FSS: CEDAR RAPIDS on Fld 863 H70/8-26(2) (S-100, T-135, TT-) BL4,6,8A,9,11 S-5 F5, TP-1 JP1 U2 REIL Rnwy 26

Remarks: Eastern N/S txyw 1500x75' and sod areas avbl as rnyw during strong N/S winds. Arpt attended on request after 0630Z.

Tower 118.7 122.5R 117.6T 109.3T Gnd Con 121.9

VFR ADV Ctc App Con on 119.9

App Con 119.9 122.5R 118.7 117.6T 109.3T

ILS¹ 109.3 I-CID Apch Brg 085° BC unusable LOM: 326/CI

(L) BVORTAC 117.6/CID 088° 2.8NM to fld

Remarks: ¹Glide slope unusable below 1047' MSL.

CHARLES CITY RBN MHW 375/CCY FSS: MASON CITY
Remarks: Owned and operd by city.

DAVENPORT RBN BH 224/DVN FSS: BURLINGTON

§DES MOINES MUNI IFR 3SW FSS: DES MOINES on Fld 957 H90/12-30(3) (S-100, T-180, TT-350) BL4,6,8A,9,11 S-5 F5, JP4 U2 DT RVR: Rnwy 30 RVV: Rnwy 12 REIL: Rnwy 23

Remarks: Rnwy 17-35 closed to acft over 25,000 lbs.

DT Memorial Day—Labor Day.

Tower 118.3 122.5R Gnd Con 121.9

Radar Services: (BCN)

App Con 124.9 122.5R 119.3 114.1T 110.3T

Dep Con 118.6

ASR Rnwys 5, 12, 30 Ceiling 400 Vsbty 1 mi
Min Alt 1357

Tfc Info Ctc App Con on 124.9 or 119.3 15NM out.

ILS 110.3 I-DSM Apch Brg 305° LOM: 219/DS

(H) BVORTAC 114.1/DSM 349° 5.4NM to fld.

DUBUQUE (L) BVOR 109.4/DBQ FSS: CEDAR RAPIDS

ESTHERVILLE (L) BVOR 110.4/EST
Remarks: Owned and operd by city.

FORT DODGE (H) BVORTAC 113.5/FOD FSS: MASON CITY

IOWA CITY (L) BVORTAC 111.10/IOW FSS: CEDAR RAPIDS

JEFFERSON RBN MHW 391/EFW FSS: DES MOINES
Remarks: Owned and operd by Arpt Commission.

KEOKUK RBN MHW 366/EOK FSS: BURLINGTON

LAMONI (H) BVORTAC 116.7/LMN FSS: DES MOINES

MASON CITY (H) BVORTAC 114.9/MCW FSS: MASON CITY

NEOLA (L) BVORTAC 117.1/EOL FSS: OMAHA

NEWTON (L) BVOR 112.5/TNU FSS: DES MOINES

OTTUMWA (L) BVORTAC 111.6/OTM FSS: OTTUMWA

SHENANDOAH RBN MHW 411/SDA
Remarks: Owned and operd by city.

§SIOUX CITY MUNI IFR 6S FSS: SIOUX CITY on Fld 1097 H90/13-31(3) (Max 2.25) BL4,6,8A,9,11 S-5 F5, JP-1 U2 RVV: Rnwy 31 REIL: Rnwy 13

Remarks: First 1500' rnyw 22 not visible to tower. Arresting gear rnyw 13-31.

Tower 118.7 122.5R Gnd Con 121.9

App Con 118.7 124.6 122.5R 116.5T 109.3T

VFR ADV Ctc App Con on 124.6

ILS 109.3 I-SUX Apch Brg 307° LOM: 414/SU

VHF/DF available, contact tower.

(L) BVORTAC 116.5/SUX 312° 3.6NM to fld.

RBN MHW 414/SU 307° 5.3NM to fld.

Remarks: ¹LOM is MHW.

SPENCER RBN MHW 257/SPW

IOWA—Continued

STORM LAKE RBN MHW 227/SLB

Remarks: Owned and operd by Arpt Comm.

§WATERLOO MUNI IFR 4NW FSS: WATERLOO on Fld 870 H54/12-30(3) (S-100, T-180, TT-305) BL4,8A,9 S-5 F4, JP1 U2 RVV: Rnwy 12

Tower 118.1 122.5R Gnd Con 121.9

VFR ADV Ctc App Con on 125.8

App Con 125.8 122.5R 109.9T 108.2T

ILS¹ 109.9 I-ALO Apch Brg 122° LOM: 382/AL

(L) BVORTAC 108.2/ALO at fld.

Remarks: ¹Front crs unusable beyond 20 NM.

WAUKON (L) BVOR 109.6/UKN FSS: LACROSSE

KANSAS

ANTHONY (L) BVOR 112.9/ANY FSS: WICHITA

CHANUTE (L) BVOR 109.2/CNU FSS: CHANUTE

DODGE CITY (L) BVOR 108.2/DDC FSS: DODGE CITY

EMPORIA (L) BVORTAC 112.8/EMP FSS: EMPORIA

FORT RILEY (L) VORW 109.4/FRI FSS: SALINA
RBN MHW 317/FRI

GARDEN CITY (H) BVORTAC 113.3/GCK FSS: GARDEN CITY
RBN H-SAB 257 /GCK

GOODLAND (L) BVORTAC 115.1/GLD FSS: GOODLAND

HILL CITY (H) BVORTAC 113.7/HLC FSS: HILL CITY

§HUTCHINSON MUNI IFR 3E FSS: WICHITA (DL) 1542 H70/13-31(3) (S-50, T-65, TT-103) BL4,6,8A,9 S5 F4 JP1 U2

Remarks: 1503' (3049' MSL) twr 5NM E. Threshold rnyw 31 displaced 800' NW, rnyw 35 displaced 800' N, rnyw 3 displaced 400' NE.

Tower 118.5 122.5R Gnd Con 121.9

VFR ADV Ctc App Con on 125.5

App Con 125.5 122.5R 118.5 116.8T

ILS 110.1 I-HUT Apch Brg 129° LOM: 404/HU

(L) BVORTAC 116.8/HUT 033° 5.0NM to rnyw 3

INDEPENDENCE RBN MHW 400/IDP FSS: CHANUTE

KANSAS CITY

§FAIRFAX MUNI IFR 3NE FSS: KANSAS CITY 746 H61/17-35(4) (S-30, T-50, TT-85) BL6 S5 F-5, JP-1 U2

Remarks: Tfc ptn alt for acft under 12,500 lbs GWT is 600' AGL, vsbty N and NW greatly reduced. 1042' (2049' MSL) twr 5NM S. and 1023' (1946' MSL) twr 6NM SE. Displaced threshold on all rnwys.

Tower 119.1 126.2 122.5R Gnd Con 121.7

Radar Services:

Kansas City App Con 126.2 122.7R 121.1¹ 118.9²

112.6T 109.9T Kansas City Dep Con 118.1

Tfc Info Ctc Kansas City App Con.

Remarks: ¹W Sector ²E Sector

LIBERAL (H) BVOR 112.3/LBL FSS: GARDEN CITY
Remarks: To be (H)BVORTAC June 1.

MANHATTAN (T) BVOR 110.2/MHK FSS: SALINA
RBN HW 391/MHK

MANKATO (L) BVOR 109.8/TKO FSS: SALINA

OSWEGO (L) BVOR 117.6/OSW FSS: JOPLIN

OTTAWA (L) VORW 111.6/TOE FSS: TOPEKA

PRATT RBN HW 356/PTT FSS: DODGE CITY

KANSAS—Continued

RUSSELL (L) BVOR 114.5/RSL **FSS: RUSSELL**
SALINA (H) BVORTAC 115.3/SLN **FSS: SALINA**

TOPEKA

§PHILIP BILLARD MUNI IFR 3NE **FSS: TOPEKA on Fld**
 880 H51/13-31(3) (S-70, T-100, TT-175) BL4,6,8A,9 S5 F5
 JP1 U2
Topoka Tower 118.7 126.2 122.5R **Gnd Con** 121.9
Radar Services: (BCN)
Olathe App Con 120.5 122.5R
ILS¹ 109.5 I-TOP Apch Brg 125° **LOM:** 304/TOP
Topoka (L) BVORTAC 117.8/TOP 211° 4.9NM to fld.
Topoka RBN MHW 304/TOP 126° 3.9NM to rwy 13.
Remarks: ¹Glide slope unusable below 1078' MSL. LOM is MHW.

WICHITA

§BEECH IFR 5E **FSS: WICHITA (DL)**
 1387 H50/18-36(3) F4
Remarks: Both apchs N-S rwy restricted by polelines.
Tower² 119.9 126.2 122.5R 3023.5R **Gnd Con** 121.7
Radar Services:
Wichita App Con 125.7 120.1 134.1 122.7R
Wichita Dep Con 125.7
ASR ¹Rwy 18 Ceil 700' Vsby 1 mi Min Alt 2087
Remarks: ¹NA for over 2 eng acft. ²Oper 1400-2300Z Mon-Fri.
 Cld Sat, Sun and holidays.

§WICHITA MUNI IFR 5SW **FSS: WICHITA on Fld**
 1332 H73/1-19(2) (S-100, T-188, TT-350) BL6,8A,9 S5 F5, JP1
 U2 RVV: Rwy 01
Remarks: Acft carrying hazardous or explosive cargo prohibited. 1079' [2444' MSL and 1064 (2431' MSL) twr 9°WN
 NNW.
Tower 119.5 122.5R 110.3T **Gnd Con** 121.9
Radar Services: (BCN)
Wichita App Con 120.1 120.6 134.1 125.7 1227R 113.8T
Wichita Dep Con 124.5 113.8T
Tfc Info Ctc App Con on 120.1
ASR Rnws 1, 32 Ceil 400 Vsby 1 mi Min Alt 1732.
 Rwy 14 Ceil 500 Vsby 1 mi Min Alt 1832.
 Rwy 19 Ceil 600 Vsby 1 mi Min Alt 1932.
ILS 110.3 I-ICT Apch Brg 011° **LOM:** 219/IC
(H) BVORTAC 113.8/ICT 162° 4.3NM to rwy 14.
RBN SABH 332/ICT

KENTUCKY

ASHLAND RBN MHW 385/AKY **FSS: HUNTINGTON**
Remarks: Inoperative.

BOWLING GREEN (L) BVORTAC 117.9/BWG **FSS: BOWLING GREEN**

CAMPBELL (T) VOR¹ 111.0/HOP **FSS: BOWLING GREEN**
RBN HW 293/HOP
Remarks: ¹Inoperative.

CAMPBELLSVILLE RBN MHW 354/CTC **FSS: LOUISVILLE**

CENTRAL CITY (L) BVOR 109.8/CCT **FSS: BOWLING GREEN**

FALMOUTH (L) BVOR 109.0/FLM **FSS: CINCINNATI**

FORT KNOX (T) VOR 109.6/FTK **FSS: LOUISVILLE**
RBN MH 396/FTK

LEXINGTON

§BLUE GRASS FIELD IFR 5W **FSS: LEXINGTON on Fld**
 978 H55/4-22(3) (S-95, T-128, TT-284) BL4,6,8A,9 S5 F5,
 JP-5 U2 RVV: Rwy 4
Remarks: Twr unable to see last ½ mi final apch rwy 26.

KENTUCKY—Continued

Lexington Tower 121.1 122.5R 117.0 110.1T
Gnd 121.9

Lexington App Con 119.1 122.5R 117.0 110.1T
ILS 110.1 I-LEX Apch Brg 042° **LOM:** 242/LE
Lexington (H) BVORTAC 117.0/LEX 304° 7.3NM to fld
Lexington RBN MHW 242/LE 042° 3.5NM to fld.
Remarks: LOM is MHW.

LONDON (H) BVORTAC 116.1/LOZ **FSS: LONDON**

LOUISVILLE

§BOWMAN FIELD IFR 5SE **FSS: LOUISVILLE on Fld**
 549 H43/6-24(3) (Max 30) BL4,11 S-5 F-4, JP-4 U2
REIL: Rwy 24
Tower 119.5 126.2 122.5R **Gnd Con** 121.9
Radar Services:

Standiford App Con 124.5 126.2 120.5 120.3
Standiford Dep Con 119.0

§STANDIFORD FIELD IFR 4S **FSS: LOUISVILLE (DL)**
 497 H78/1-19(3) (S-60, T-90, TT-200) BL4,6,8A,9,14,15
 S-4 F5, JP1, JP5 RVV: Rwy 29 RVR: Rwy 1
Remarks: FEE.

Tower 120.3 126.2 122.7R **Gnd Con** 121.7

Radar Services:
App Con 124.5 126.2 120.5 120.3 **Dep Con** 119.0

ASR Rnws 24, 29 Ceil 500 Vsby 1 mi Min Alt 997.
 Rnws 1, 16, 11, 19 Ceil 600 Vsby 1 mi Min Alt 1097.

ILS 110.3 I-SDF Apch Brg 010° **LOM:** 359/SD
 109.1 I-LKS Apch Brg 290° **LOM:** 414/LK

VHF/DF available, contact tower

Louisville (H) BVORTAC 114.8/LOU 300° 8.4NM to fld.

Standiford RBN BH 359/SD 010° 4.8NM to fld.

Remarks: On apch to rwy 19 maintain at least 1400' MSL within 3 mi of rwy. VOT: 111.0. ¹LOM is BH.

MYSTIC (L) BVOR 108.2/MYS **FSS: LOUISVILLE**

NEWCOMBE (L) BVOR 110.4/ECB **FSS: HUNTINGTON**

NEW HOPE (L) BVORTAC 110.8/EWO **FSS: LOUISVILLE**

OWENSBORO (T) BVOR 108.6/OWB **FSS: EVANSVILLE**
RBN MHW 275/OWB

PADUCAH (L) BVORTAC 113.6/PUK **FSS: PADUCAH**
RBN BMH 356/PUK

YORK (L) VORW 113.4/YRK **FSS: HUNTINGTON**

WHITESBURG (L) BVORTAC 111.8/BRG **FSS: LONDON**

LOUISIANA

ALEXANDRIA (H) BVORTAC 116.1/AEX **FSS: ALEXANDRIA**
RBN HW 251/AEX

BARKSDALE (L) VOR 114.8/BAD **FSS: SHREVEPORT**
RBN HW 379/BAD

BATON ROUGE

§RYAN IFR 4 N **FSS: BATON ROUGE on Fld**
 70 H60/4-22 (3) (S-137, T-175, TT-340) BL4, 6, 11 S5
 F4, JP5 U2 **REIL:** Rwy 13

Remarks: Rwy 22 threshold lgts displaced 260' SW 5740' avbl
 rwy 22, 6000' avbl rwy 4. Ctc App Con 119.7 prior entering
 control zone. 1729' (1749' MSL) twr 10.5 NM SSW

Tower 118.3 122.5R **Gnd Con** 121.9

Baton Rouge App Con 119.7 122.5R 116.5T 110.3T

ILS 110.3 I-BTR Apch Brg 127° **LOM:** 284/BT

Baton Rouge (L) BVORTAC 116.5/BTR 065° 7.6NM to fld.

ESLER (T) BVOR 108.8/ESF **FSS: ALEXANDRIA**

GRAND ISLE (L) BVORTAC 109.4/GNI **FSS: NEW ORLEANS**
RBN HH 236°/GNI

LOUISIANA—Continued

HARVEY (L) BVORTAC 112.4/HRV FSS: NEW ORLEANS

§LAFAYETTE MUNI IFR 2 SE FSS: LAFAYETTE on Fld

42 H51/1-19(2) (S-9, T-20, TT-30) BL4, 8A, 9, 11 S5

F5, JP5 U2 RVV: Rnwy 19 REIL: Rnwy 1

Tower 118.5 122.5R Gnd Con 121.7

Clmc Del 121.7

App Con 121.1 122.5R 118.5

ILS 109.5 I-LFT Apch Brg 193° LOM: 257/LF

(LIBVORTAC 110.8/LFT 344V 3.0 NM to fld.

RBn BMH 375/LFT at fld.

§LAKE CHARLES MUNI IFR 3 S FSS: LAKE CHARLES on Fld

16 H65/15-33(1) (S-137, T-165, TT-350) BL4,5,6,8A,9 S5

F4, JP4 RVV: Rnwy 15

Remarks: Rgt tlc runways 15 and 22.

Tower 120.7 122.5R Gnd Con 121.9

App Con 119.3 122.5R 113.4T 109.1T

ILS 109.1 I-LCH Apch Brg 148° LOM: 353/LC

(HIBVORTAC 113.4/LCH 252° 6.3 NM to fld.

RBn BH 242/LCH

§MONROE IFR 3 E FSS: MONROE on Fld

79 H50/4-22(3) (S-50, T-75, TT-135) BL4,6,8,9 S5

F4, JP4 U2

Remarks: Apch to runways 17-35 and 13 do not meet FAA safety criteria for air carrier ngt. Indgs.

Tower 119.1 122.5R Gnd Con 121.9

App Con 119.1 122.5R

ILS 109.5 I-MLU Apch Brg 039° LOM: 219/ML

(L) BVORTAC 113.7/MLU 036° 4.2 NM to rwy 4.

Remarks: 'Glide slope unusable below 320' MSL.

NEW ORLEANS

§NEW ORLEANS-LAKEFRONT IFR 4 NE FSS: NEW ORLEANS on Fld

10 H57/17-35(4) (S60 T100 TT160) BL4 S5 F5, JP1, 5 U2

Remarks: Acft transporting any items listed in part 49 of CAR prior pman rqr to Ind. Rnwy 35 threshold displaced 1226' N. 4504' avbl Indg rwy 35. 5202' avbl Indg rwy 17. No ngt operns rwy 8-26. 1046' (1049' MSL) TV twr 8 NM S. 1049' MSL) TV twr 7 NM SE.

Lakefront Tower 119.5 126.2 122.5R Gnd Con 121.7

Radar Services:

New Orleans App Con 125.5 122.7R 118.1

New Orleans Dep Con 120.4

§NEW ORLEANS INTL-MOISANT FLD IFR 10 W

FSS: NEW ORLEANS (DL)

3 H92/10-28(3) (S-180, T-225, TT-425) BL4,6,8A,9,11,14,15

S1 F5, JP1, JP5 U2 REIL: Rnwy 1 RVV: Rnwy 10

Remarks: Fee on gross Indg wt. U.S. Customs-Indg rights arpt (1300-1700Z Mon-Sat) req arr notice be forwarded to US customs when filing flt plan in Canada, Mexico or Cuba. Rnwy 28 threshold displaced 700' SW. Usable length rwy 28-8525'; rwy 10-9225'. 700' E of rwy 28 threshold usable tkof only with approval ctl twr.

Moisant Tower 119.9 122.7R 278T Gnd Con 121.9

Radar Services:

New Orleans App Con 125.5 122.7R 118.1 109.9T

New Orleans Dep Con 120.6

Tfc Info Ctc App Con on 125.5, for other arpts in or trans- versing the area ctc App Con on 118.1

ASR Rnwys 1, 5 Ceil 500 Vsby 1 mi Min Alt 503.

Rnwys 10, 23, 28 Ceil 400 Vsby 1 mi Min Alt 403.

Rnwy 19 Ceil 700 Vsby 1 mi Min Alt 703.

ILS 109.9 I-MSY Apch Brg 099° LOM: 338/MS

New Orleans (HIBVORTAC 113.2/MSY 4.4 NM to fld.

New Orleans RBn SBH 338/MS 099° 6.6 NM to rwy 10.

VHF/DF available, contact tower.

LOUISIANA—Continued

Remarks: 'Acft transitioning New Orleans NAS MCC use New Orleans ARTCC freq 126.0 during above 5000'; during VFR use New Orleans App Con freqs 118.1 & 122.7R. LOM is SBH.

SHREVEPORT

§GREATER SHREVEPORT IFR 4 SW FSS: SHREVEPORT on Fld

257 H73/13-31(2) (S-83, T-120, TT-201) BL4, 6, 8A, 9, F5

RVV: Rnwy 13

Shreveport Tower 118.3 122.7R 201T Gnd Con 121.9

Radar Services: (BCN)

Shreveport App Con 118.5 123.9 122.5R 117.4T 114.8T

Shreveport Dep Con 119.9

Tfc Info Ctc App Con on 118.5

ILS 110.3 I-SHV Apch Brg 136°

§SHREVEPORT DOWNTOWN IFR 2 N FSS: SHREVEPORT (DL)

179 H45/14-32(3) (S30) BL4 S5 F4

Tower 119.5 122.5R Gnd Con 121.7

Radar Services: (BCN)

Shreveport App Con 118.5 123.9 122.5R 117.4T 114.8T

Shreveport Dep Con 119.9

(T)VOR 108.6/DTN at fld.

Shreveport (H) BVORTAC 117.4/SHV 159° 13.9 NM to fld.

Shreveport RBn SBH 230/SHV 153° 11.6 NM to rwy 14.

TIBBY (L) BVORTAC 112.0/TBD FSS: NEW ORLEANS

WHITE LAKE (L) BVOR 111.4/LLA FSS: LAFAYETTE

MAINE

AUGUSTA STATE (LIBVOR 111.4/AUG FSS: AUGUSTA
RBn BH 221/AUGBANGOR (HIBVORTAC 114.8/BGR FSS: OLD TOWN
Rng SBRAZ 239/BW

BAR HARBOR RBn MHW 320/BHB FSS: OLD TOWN

BRUNSWICK (L)VOR 116.2/NHZ FSS: AUGUSTA
Rng MRLZ 368/NZ

HOULTON (LIBVOR 108.2/HUL FSS: HOULTON

KENNEBUNK (H) BVORTAC 117.1/ENE FSS: PORTLAND

MILLINOCKET (HIBVORTAC 117.9/MLT FSS: MILLINOCKET
RBn H-SAB 344/MLT

NEW GLOUCESTER RBn MHW 266/GLU

Remarks: Owned and operd by Airport Commission.

§PORTLAND MUNI IFR 2W FSS: PORTLAND on Fld

66 H50/11-29(2) (S-94, T-116, TT-) BL 5, 6, 8A, 9, 10 S5 F5,

JP1 U2 DT2 VASI: Rnwy 29

Remarks: ILS apch zone for rwy 11 has unlgtd trees protruding above 7:1 slope maximum penetration of 27' lctd at the end of rwy and 800' rgt cntrline. Lesser penetrations lctd 250'-430' from end of rwy and 720'-890' left cntrline. 1890'-2180' from end of rwy and 900'-1090' left cntrline.

Tower 120.9 122.5R 109.9T Gnd Con 121.9

App Con 120.9

ILS 109.9 I-PWM Apch Brg 112° BC unusable LOM: 394/PW

PRESQUE ISLE (HIBVORTAC 116.4/PQI FSS: HOULTON

PRINCETON (LIBVOR 114.3/PNN FSS: HOULTON

ROCKLAND RBn MHW 353/RKD FSS: AUGUSTA

SPRAGUEVILLE Rng SMLWZ 371/SPR FSS: HOULTON

WATERVILLE RBn MHW 375/AVI FSS: AUGUSTA

MARYLAND

ABERDEEN RBn MHWZ 349/APG FSS: WASHINGTON

ANDREWS (L)VORTAC 113.1/ADW

MARYLAND—Continued

BALTIMORE

§FRIENDSHIP INTL IFR 8 S FSS: WASHINGTON (LC 766-3420)
146 H94/10-28(3) (S-240, T-500, TT-700) BL6, 8A, 9, 10, 11
S5 F5, JP1, JP4, JP5, U2 DT2 VASI: Rnwy 28 RVR: Rnwy 10
REIL rwy 4, 22

Remarks: For Customs use gates A-14 and A-3. Clsd 0300 to
1130Z to practice approaches or landings by turbojet and
turboprop due noise complaints.

Tower 118.7 122.7R 109.7T Gnd Con 121.9

Radar Services:

Baltimore App Con 129.7¹ 125.9³

Baltimore Dep Con 120.4

ASR Rnwys 28, 33 Ceil 400 Vsby 1 mi Min Alt 546.
Rnwys 10, 15, 22 Ceil 500 Vsby 1 mi Min Alt 646.

ILS³ 109.7 I-BAL Apch Brg 102° LOM: 219/BA

(L) BVORTAC 113.8/BAL on fld.

VHF/DF available, contact tower.

Remarks: ¹101°-281° ²282°-100° ³Glide slope unusable from 400'
inside MM to touchdown. VOT: 108.2.

CUMBERLAND RBN MHW 317/CBE FSS: MARTINSBURG

FREDERICK (T)BVOR 109.0/FDK FSS: MARTINSBURG

GAITHERSBURG RBN MHW 385/GAI FSS: WASHINGTON

GRANTSVILLE (L) BVORTAC 112.3/GRV FSS: MORGANTOWN

HAGERSTOWN (L)BVOR 109.8/HGR FSS: MARTINSBURG

NOTTINGHAM (L)BVORTAC 116.0/OTT FSS: WASHINGTON

PATUXENT (L)BVORTAC 117.6/PXT FSS: SALISBURY

POOLESVILLE RBN MHW 280/PLV FSS: WASHINGTON

SALISBURY (L)BVORTAC 114.5/SBY FSS: SALISBURY

SNOW HILL (L)BVORTAC 112.4/SWL FSS: SALISBURY

WESTMINSTER (H)BVORTAC 117.9/EMI FSS: WASHINGTON

MASSACHUSETTS

BEDFORD

§LAURENCE G HANSCOM FLD IFR 1 S FSS: BOSTON (DL)
133 H70/11-29(2) (S-200, T-200, TT-400) BL5, 6, 8A, 9, 10, 11
S5, F5, JP1, JP4 U2 DT2 VASI: Rnwys 11, 29
REIL: Rnwys 23, 29 RVV: Rnwy 11

Remarks: 1199' (1349' MSL) and 1249' (1349' MSL) TV twrs 10
NM S. Jet barriers and arresting gear rwy 11-29. FEE for
commercial acft over 5000' lbs.

Tower 118.5 126.2 122.5R Gnd Con 121.7

Radar Services:

Boston App Con 124.4

PAR Rnwy 11 Ceil 300 Vsby 3/4 mi Min Alt 433

ILS 109.5 I-BED Apch brg 112° LOM: 512/BE

Bedford (L)VOR 116.0/BED on fld.

Bedford RBN HW 512/BE 112° 4.0 NM to fld.

VHF/DF available, contact tower.

Remarks: ¹GCA oper 1400-0400Z Mon-Sat. LOM is HW.
VOT: 110.0

BEVERLY RBN MHW 269/TOF FSS: BOSTON

BOSTON

§LOGAN INTL IFR 1 E FSS: BOSTON on Fld
19 H100/4R-22L(4) (S-100, T-200, TT-400) BL6, 8A¹, 9², 10
S5 F5, JP4, JP5 U2 DT2 VASI: Rnwy 22L RVR: Rnwy 4R, 33L
RVV: Rnwy 22L

MASSACHUSETTS—Continued

Remarks: FEE. Lndg threshold rwy 4R displaced 2502' to
NE, 10,023' avbl except lndg length toward NE restricted to
7521' during IFR conditions and hrs of darkness. Rnwy 4L-22R
usable width 150' threshold at apch end rwy 22R relocated 800'
SW. 1199' (1349' MSL) 1063.5 (1184' MSL) TV twrs 10 NM SW.
¹Non-standard cntrlne apch lgt sys. ²Sequence flashers extend
only 1200'.

Boston Tower 118.1 126.2 122.5R 110.3T Gnd Con 121.9

†Clmc Del 121.65

ATIS: 112.7

Radar Services: (BCN)

Boston App Con ¹120.6 ¹126.5 126.2 124.4 122.5R 110.3T 382T

Boston Dep Con 119.1 124.4

PAR⁴ Rnwy 4R Ceil 200 Vsby 1/2 mi Min Alt 219

ASR Rnwys 4, 15 Ceil 700 Vsby 1 mi Min Alt 719.

Rnwy 22L Ceil 600 Vsby 1 mi Min Alt 619.

Rnwys 27, 33 Ceil 500 Vsby 1 mi Min Alt 519.

ILS 110.3 I-BOS Apch Brg 035° BC unusable LOM: 221/BO

110.7 I-LIP³ Apch Brg 330° BC unusable LOM: 346/LI

VHF/DF available, contact Tower.

Boston (H)VORTAC 112.7/BOS on fld.

Boston RBN H-SAB 382°/BOS 234° 1.0 NM to fld.

Remarks: ¹215-319° ²320°-214° ³Glide slope unusable below
219' MSL. ⁴Radar monitoring of instrument apchs only at
pilot's request. VOT: 111.0

CHESTER (L)BVOR 117.3/CTR FSS: WINDSOR LOCKS

DEVENS RBN MHW 352/AVE FSS: BOSTON

FALL RIVER RBN MHW 395/FLR FSS: NANTUCKET

FITCHBURG RBN MHW 206/FIT FSS: BOSTON

GARDNER (L)BVORTAC 110.6/GDM FSS: WORCESTER

HYANNIS

§BARNSTABLE MUNI IFR 1 N FSS: NANTUCKET (DL)

52 H55/6-24(2) (S-63, T-110, TT-) BL5, 6, 8A, 9, 11

S5 F5, JP1, JP5 U2 DT2 RVV: Rnwy 24 REIL: Rnwy 6

Remarks: Poles SE, SW. Rnwy 11-29 open for dalgt lndgs and
tkoffs on pilot req only, and W wind exceeds 14 knots.

Hyannis Tower 119.5 122.5R Gnd Con 121.9

Radar Services: (BCN)

OTs App Con 127.7 134.1 116.8T

OTs Dep Con 127.7

ILS¹ 110.5 I-HYA Apch Brg 245° BC unusable LOM: 342/HY

Hyannis (L)BVOR 108.6/HYA 241° 3.2 NM to rwy 24.

Remarks: ¹Glide slope operg test.

LAWRENCE (T)BVOR 112.0/LWM FSS: BOSTON

RBN MHW 245/LWM

MARTHA'S VINEYARD (L)BVOR 108.2/MVY

RBN MHW 388/MVY

FSS: NANTUCKET

§NANTUCKET MEMORIAL IFR 3 SE FSS: NANTUCKET on Fld

47 H50/6-24(2) (S-31, T-55, TT-) BL5, 6, 8A, 9 S3

F4 DT2 RVV: Rnwy 24

Tower ¹118.3 122.5R 109.1T Gnd Con 121.9

Radar Services: (BCN)

OTs App Con 118.2 134.1 116.8T

OTs Dep Con 118.2

ILS 109.1 I-ACK Apch Brg 240° LOM: 248/AC

VHF/DF available, contact Tower.

Nantucket (H)BVORTAC 117.7/ACK 240° 1.9 NM to Fld.

Remarks: ¹Oper 1200-0400Z advisory svc other times.

§NEW BEDFORD MUNI IFR 2 NW FSS: NANTUCKET (DL)

79 H50/5-23(2) (S-63, T-110, TT) BL5,6,8, S5 F4 U2 DT2

Remarks: ILS apch zone for rwy has unlgtd trees protruding
above the 7 : 1 slope.

Tower 121.3 122.5R 109.7T Gnd Con 121.9

MASSACHUSETTS—Continued

Radar Services: (BCN)

Quonset App Con 118.6 134.1 120.1

Quonset Dep Con 124.5 126.2 123.8

ILS 109.7 I-EWB Apch Brg 053° LOM: 274/EW

NORWOOD RBN MHW 212/OWD FSS: BOSTON

PITTSFIELD RBN MHW 343/PSF FSS: ALBANY

PROVINCETOWN MHW 230/PVC FSS: NANTUCKET
Operd Mass Aero Comm

WESTFIELD

§BARNES MUNI IFR 3 N FSS: WINDSOR LOCKS (LC 739-7132)
270 H90/2-20(3) (S-63, T-110, TT-195) BL5, 6 S3 F4, JP4 DT2

Remarks: Jet barrier rwy 2-20.

Westfield Tower¹ 121.3 126.2 122.5R

Westfield Gnd Con 121.7

Radar Services:

Westover App Con 124.1 134.1 109.2T 114.0T

Westover Dep Con: 124.1 134.1

Westfield (L)BVOR 113.0/BAF on fld.

Westfield RBN SBMHZ 230/BAF 203° 4.8 NM to fld.

Remarks: ¹Oper 1200-0400Z.

WHITMAN (L)BVORTAC 109.0/HTM FSS: BOSTON

§WORCESTER MUNI IFR 3 W FSS: WORCESTER on Fld
1009 H70 (11-29(3) (S-137, T-180, TT-297) BL6, 7, 12 S5
F4, JP1 U2 DT2 RVV: Rwy 33

Remarks: Rwy 29 threshold displaced 150'.

Tower 120.5 121.9 110.9T Gnd Con 121.9

ILS¹ 110.9 I-ORH Apch Brg 332° BC unusable LOM: 282/ORRemarks: ¹ILS rwy 33 glide slope unusable below 1209' MSL
acct roughness 750' inside MM to Indg threshold. Auto and
manual apchs below the altitude not authorized.

MICHIGAN

ALPENA

§PHELPS COLLINS IFR 6 W FSS: PELLSTON (DL)

689 H90(18-36 (3) (S95-T125-TT210) BL6 S5 F4 U1

RVV: Rwy 36.

Remarks: Rwy 18 9000' avbl Indg, 8000' avbl tkoff. Rwy 36
8000' avbl Indg and tkof. Jet barrier 1050' from apch end
rwy 18. GCA (ASR-PAR) VFR Irng status 1400-2100Z Mon-Fri.
Pilots encouraged to participate. Ctc twr for practice radar apchs
during VFR conditons. GCA civil freqs 134.10 and 139.9.

Collins Tower 120.9 126.2 Gnd Con 121.9T 122.5R

Alpena (L)BVOR¹ 108.8/APN

Alpena RBN HW 414/APN

Remarks: ¹To be (L)BVORTAC May 9.

BATTLE CREEK

§W K KELLOGG REGIONAL AIRFIELD IFR 3 W FSS: JACKSON (DL)

941 H70/4-22(4) (S-40, T-65, TT-115) BL4,6,8A,9 S5 F5 TP-1

Remarks: Rnwys 9-27, 18-36 clsd dur winter mos. E ramp S of
twr and portion N ramp mil area not visible from twr.

Battle Creek Tower 118.5 122.5R 396T Gnd Con 121.9

VFR Adv Ctc App Con on 121.2 when 25 mi out.

Battle Creek App Con 121.2 122.5R

ILS¹ 110.5 I-BTL Apch Brg 224° LOM: 272/BT

Battle Creek (T)BVORTAC 109.4/BTL at fld.

Battle Creek RBN MHW 272/BT 3.7 NM to fld.

Remarks: ¹Glide slope unusable below 1141' MSL. LOM is MHW.

BELLAIRE RBN HW 251/ATM FSS: TRAVERSE CITY

BENTON HARBOR RBN MHW 400/BEH FSS: SOUTH BEND

Remarks: Privately owned and operated. Public instr flt rule apch
procedure predicated on facil.

MICHIGAN—Continued

BOYNE FALLS RBN MHW 263/BFA FSS: PELLSTON

Remarks: VFR use only.

CADILLAC RBN MHW 269/CAD FSS: TRAVERSE CITY

CARLETON (L)BVORTAC 115.7/CRL FSS: DETROIT

CHARLEVOIX RBN MHW 222/CVX FSS: PELLSTON

COLDWATER RBN MHW 224/CWM FSS: JACKSON

DETROIT

§DETROIT CITY IFR 5 NE AOE FSS: DETROIT (DL)

626 H51/15R-33L(3) (S250 T-350 TT) BL4, 11 S5 F4, JP1

U2 REIL: Rwy 15

Remarks: 1063' (1749' MSL) 1057' (1738' MSL) twrs 10 WNW.

Tower 118.7 122.5R Gnd Con 121.9

Radar Services (BCN)

App Con 120.0 122.5R

Dep Con 127.3

Tfc Info Ctc App Con on 120.0

ASR Rnwys 15R, 33L, 25 Ceil 600 Vsby 1 mi Min Alt 1226

ILS 111.3 I-DET Apch Brg 146° LOM 338/DE

Remarks: VOT: 112.0.

§DETROIT METROPOLITAN WAYNE IFR 13 SW AOE

FSS: DETROIT on Fld

639 H105/3L-21R (4) (S-200, T-200, TT-400) BL4, 6, 8A, 9,

10, 11 S5 F4, JP1, JP4 U2 VASI: Rwy 27 RVV: Rwy 3L, 21R

REIL: Rwy 3R

Remarks: Rwy 15 threshold displaced 650'. Fee.

Detroit Metropolitan Tower 121.1 126.2 122.7R 109.3T 110.7T

±Clnrc Del 120.65

Gnd Con 121.7

Radar Services:

Willow Run App Con 123.7 125.15 124.9 122.6R 114.9T
109.5T

Willow Run Dep Con 118.4

Tfc Info Ctc/on 123.7, 124.9 Willow Run App Con.

ILS 109.3 I-DTW Apch Brg 032° LOM: 388/DT

110.7 I-DWC Apch Brg 212° LOM: 367/DW

Detroit RBN H-SAB 388°/DT 121°

Remarks: LOM is SAB. VOT: 109.0

§WILLOW RUN IFR 19 SW FSS: DETROIT (DL)

716 H75/5-23(6) (S-60, T-90, TT-200) BL4, 6, 8A, 9,

11 S5 F5, JP1, JP4 RVV: Rwy 5R REIL: 23L

Remarks: First 500' rwy 9L not visible from twr. 320' overrun
area SW end rwy 5R-23L usable only tkoff rwy 5R Indg
rwy 23L.

Tower 121.3 122.6R 109.5T Gnd Con 121.9

Radar Services:

App Con 125.15 124.9 123.7 122.6R 114.9T 109.5T

Dep Con 118.4

Tfc Info Ctc App Con on 124.9 or 123.7

PAR¹ Rwy 5R Ceil 200 Vsby 1/2 mi Min Alt 916.

Rwy 5L Ceil 400 Vsby 1 mi Min Alt 1116.

ASR Rwy 9L Ceil 600 Vsby 1 mi Min Alt 1316.

Rnwys 5L, 5R, 14, 36 Ceil 500 Vsby 1 mi Min Alt 1216.

Rnwys 18, 23L, 23R, 27L, 27R, 32 Ceil 400 Vsby 1 mi

Min Alt 1116.

ILS 109.5 I-YIP Apch Brg 050° LOM: 359/YI

VHF/DF available, contact tower.

Willow Run (T)IVOR 114.9/YIP at fld.

Remarks: ¹Radar monitoring of instrument apchs only at pilot's
request.

ESCANABA (L) BVOR 110.8/ESC FSS: MARQUETTE (DL)

FLINT

§BISHOP IFR 3 SW FSS: LANSING (DL)

781 H56/9-27 (S-40, T-60, TT-110) BL4,5,6,8A,9 S5

F4 U2 RVV: Rwy 9.

MICHIGAN—Continued

Remarks: Rnwy 18 threshold displaced 635'.
 Flnt Tower 119.5 126.3 122.5R 111.6T 109.9T
 Gnd Con 121.9
 VFR Adv Ctc App Con on 126.3 aprx 25 NM out.
 Flnt App Con 126.3 122.5R 119.5 111.6T 109.9T
 ILS 109.9 I-FNT Apch Brg 091° LOM: 269/FN
 Flnt (L)BVORTAC 111.6/FNT on fld.

GRAND RAPIDS

§KENT COUNTY IFR 6 SE FSS: SAGINAW
 793 H66/8-26(2) (Max-45) BL6,8A,9,14 S5 F4, JP1
 U2 RVV: Rnwy 26 RVR: Rnwy 26.
 Tower 119.3 122.5R Gnd Con 121.9
 VFR ADV Inbnd VHF equipped acft ctc App Con on 124.6
 10 mi out.
 Grand Rapids App Con 124.6 122.5R 109.7T
 ILS 109.7 I-GRR Apch Brg 262° LOM: 263/GR
 (L)BVOR 110.2/GRR 351° 5.7 NM to fld.
 Remarks: Glide slope unusable below 970' MSL.

GRAND MARAIS Rn HW 341/GMI FSS: MARQUETTE

GROSSE ILE Rn HW 414/NFB FSS: DETROIT

HOUGHTON (L)BVOR 112.8/CMX FSS: HOUGHTON
 Rn H-SAB 227°/CMX

IRON MOUNTAIN (L)BVOR 111.2/IMT FSS: MARQUETTE

IRONWOOD (L)BVOR 108.8/IWD FSS: MARQUETTE

JACKSON

§REYNOLDS MUNI IFR 2W FSS: JACKSON on Fld
 1000 H53/5-23(2) (S-60, T-80, TT-) BL5,11 S5 F4 U2
 REIL: Rnwy 23 (1200-0400Z)
 Remarks: Rnwy 5 threshold displaced 559'. Rnwy 31 threshold
 displaced 475'.
 Jackson Tower 120.7 122.5R 109.6 Gnd Con 121.9
 Cmc Del 121.9
 Jackson (L)BVORTAC 109.6/JXN on fld.
 Jackson Rn MHW 281/JXN
 Remarks: Twr oper 1200-0400Z.

§KALAMAZOO MUNI IFR 1SE FSS: SOUTH BEND (DL)
 874 H53/17-35(3) (S-30, T-50, TT85') BL4,6,8A,9 S5
 F4 JP5

Remarks: 1(S-40, T-65, TT-110) avail rnwys 5-23 & 9-27. 42'
 lgt obstn lctd aprxly 1100' S and 75' W apch end rnwy 35 til
 aprxly May 1966.
 Tower 118.3 122.7R 362T Gnd Con 121.7
 Battle Creek App Con 121.2
 ILS 110.9 1-AZO Apch Brg 352° LOM: 371/AZ
 (L)BVOR 109.0/AZO on fld.
 Remarks: 1Oper 1200-0400Z. 2Glide slope unusable below
 1062'.

KEELER (L)BVOR 115.1/ELX FSS: SOUTH BEND

KINCHELOE (L)VOR 108.6/INR FSS: SAULT STE. MARIE
 Rn MHW 410/IN

LANSING

§CAPITAL CITY IFR 3NW FSS: LANSING on Fld
 859 H65/9-27(2) (S-30, T-40, TT) BL5,6,8A,11 S5
 F4, JP1 RVV: Rnwy 27 REIL Rnwy 6
 Remarks: 1037' (1889' MSL) twr 8 NM ESE and 1023' (1923'
 MSL) twr 10 NM ESE. Tower unable to see all areas of arpt.
 Lansing Tower 119.9 122.5R 110.8T 110.1T
 Gnd Con 121.9
 Lansing App Con 125.9 122.5R 110.8T 110.1T
 VFR ADV Ctc App Con on 125.9 aprx 25 NM out.
 ILS 110.1 I-LAN Apch Brg 273° LOM: 219/LA
 Lansing (L)BVOR 110.8/LAN 054° 5.4 NM to fld.

MICHIGAN—Continued

LITCHFIELD (L)BVORTAC 111.2/LFD FSS: JACKSON

MANISTEE Rn HW 375/MBL FSS: TRAVERSE CITY

MARQUETTE (L)BVOR 109.0/MQT FSS: MARQUETTE

MENOMINEE (L)BVOR 109.6/MNM FSS: GREEN BAY

MT. PLEASANT (L)BVOR 109.8/MOP FSS: SAGINAW

§MUSKEGON CO IFR 4S FSS: MUSKEGON on Fld
 628 H56/14-32(3) (S-40, T-65, TT-110) BL6,8A,9 S5 F4 U2
 RVR: Rnwy 32

Remarks: Rnwy 36 threshold displaced 300'. Rnwy 14 threshold
 displaced 300'.

Tower 121.1 122.5R Gnd Con 121.9

VFR ADV Ctc App Con aprx 25 mi out on 118.2

App Con 118.2 122.5R 115.2T 109.9T

ILS 109.9 1-MKG Apch Brg 317° BC unusable LOM: 219/MK
 (L)BVORTAC 115.2/MKG 8.4 NM to fld

Remarks: 1Glide slope unusable below 828' MSL.

PECK (H)BVORTAC 114.0/ECK FSS: FLINT

PELLSTON (L)BVOR 111.8/PLN FSS: PELLSTON
 Rn (H) 332/PLN

§PONTIAC MUNI IFR 5W FSS: DETROIT (DL)
 974 H53/9-27(3) (S-40, T-65, TT-110) BL6 S5 F4 U2
 Tower 120.5 122.5R 275Tx Gnd Con 121.9

(L)BVORTAC 111.0/PTK

Remarks: 1Oper 1200-0400Z.

PULLMAN (H)BVORTAC 112.1/PMW FSS: SOUTH BEND

REED CITY Rn MHW 275/RCT FSS: MUSKEGON

SAGINAW

§TRI CITY IFR 9NW FSS: SAGINAW on fld

667 H56/5-23(2) BL6,11 S5 F4, JP5

Remarks: REIL rnwy 5.

Tower 120.1 122.5R Gnd Con 121.9

App Con: 120.1 112.9T 122.5R

(L)BVORTAC 112.9/MBS on fld.

VHF/DF avail ctc FSS.

Remarks: Oper 1200-0400Z.

SALEM (L)BVORTAC 114.3/SVM FSS: DETROIT

§SAULT STE MARIE MUNI IFR 1SW AOE
 722 H50/14-32(1) BL5, 11 S3 F4 FSS: SAULT STE MARIE on Fld
 REIL: Rnwy 14.

VFR ADV: Ctc Kincheloe for APP CON/DEP CON on 119.0.

ILS 110.3 I-INR Apch Brg 154° LOM: 410/IN

(H)BVORTAC 112.2/SSM 337° 4.2 NM to fld.

Rn H-SAB 400°/SSM 313° 2NM to fld.

SAWYER (H)VOR 117.5/SAW FSS: MARQUETTE
 Rn HW 359/SAW

SELFRIDGE (L)VOR 113.4/MTC FSS: DETROIT

THREE RIVERS Rn MHW 407/HAI FSS: JACKSON

TRAVERSE CITY (L)BVOR 112.4/TVC FSS: TRAVERSE CITY
 Rn H-SAB 365°/TVC

WHITE CLOUD (L)BVOR 117.6/HIC FSS: MUSKEGON

WHITEFISH (L)BVOR 116.6/FSP FSS: SAULT STE MARIE

MINNESOTA

ALEXANDRIA (L)BVOR 112.8/AXN FSS: ALEXANDRIA

AUSTIN (T)BVOR 108.8/AUM FSS: ROCHESTER

BAUDETTE (L)BVOR 111.6/BDE FSS: HIBBING

BEMIDJI (L)BVOR 108.6/BJI FSS: HIBBING

BRAINERD (L)BVOR 109.2/BRD FSS: ALEXANDRIA

MINNESOTA—Continued

DARWIN (L) BVOR 109.0/DWN FSS: MINNEAPOLIS

§DULUTH INTL IFR 5NW (AOE) FSS: HIBBING
1429 H101/9-27(3) (S-80, T-112.5, TT-205) BL4,6,8A,9,10
F5, JP4 DT2 VASI: Rnwy 27 RVV: Rnwy 9-27
Remarks: Jet barrier 2650' from apch end rnwy 9 and 600' from
apch end rnwy 27. 1000' overruns rnwy 9-27.
Tower 118.3 122.5R Gnd Con 121.9
Radar Services: (BCN)
App Con 125.8 122.5R 112.6T 110.3T
Dep Con 126.2
Tfc Info Ctc App Con on 125.8
PAR Rnwy 9 Ceil 200 Vsby 1/2 mi Min Alt 1629
Rnwy 27 Ceil 300 Vsby 3/4 mi Min Alt 1729
ASR Rnwy 9 Ceil 400 Vsby 1 mi Min Alt 1829.
Rnwy 27 Ceil 500 Vsby 1 mi Min Alt 1929.
ILS¹ 110.3 I-DLH Apch Brg 087° LOM: 379/DLH
VHF/DF available, contact Tower.
(H)BVORTAC 112.6/DLH 012° 2.2 NM to rnwy 3.
Rn H-SAB 379°/DLH 087° 5.6 NM to rnwy 9.
Remarks: Aft arriving Duluth with proper freq are requested
to make initial ctc with Duluth App Con at least 15 min out
on 125.8 regardless of wx. LOM is H-SAB. ¹Glide slopes un-
usable beyond 12NM.

EVELETH (T) BVOR 108.2/EVM FSS: HIBBING

FERGUS FALLS (T) BVOR 110.4/FFM FSS: ALEXANDRIA
Remarks: State owned. VFR use only.

FAIRMONT (T)BVOR 110.2/FRM FSS: MASON CITY

FARMINGTON (L) BVOR 115.7/FGT FSS: MINNEAPOLIS

GRAND RAPIDS (L) BVOR 111.4/GPZ FSS: HIBBING
Remarks: VFR use only

HIBBING (L) BVOR 110.8/HIB FSS: HIBBING

INTERNATIONAL FALLS (L) BVOR 111.0/INL FSS: HIBBING

MANKATO (L) BVOR 110.8/MKT FSS: MINNEAPOLIS

MINNEAPOLIS

§CRYSTAL IFR 8NW FSS: MINNEAPOLIS (DL)
869 H32/13L-31(2) (S-21) BL5 S5 F4
Remarks: Grass strips clsd winters. Portions of arpt not visible
from twr. Threshold rnwy 5L-23R displaced 400' landing distance
available 2100'.
Tower ¹120.7 122.5R Gnd Con 121.9
Radar Services:
Minneapolis App Con 120.0 121.2 126.5 122.7R
Minneapolis Dep Con 119.3
Tfc Info: Ctc Minneapolis App Con 126.5.
Remarks: ¹Oper 1200-0400Z.

§FLYING CLOUD IFR 11SW FSS: MINNEAPOLIS (DL)
909 H36/9L-27R(3) (S-14) BL5,11 S5 F4
REIL: Rnwy 9L
Tower¹ 118.1 122.5R Gnd Con 121.7
Radar Services:
Minneapolis App Con 120.0 121.2 126.5 122.7R
Minneapolis Dep Con 119.3
Tfc Info: Ctc Minneapolis App Con 126.5.
(L) VOR 111.8/FCM at fld.
Remarks: ¹Oper 1200-0400Z.

§MINNEAPOLIS-ST PAUL INTL IFR 6S FSS: MINNEAPOLIS on Fld
840 H100/11R-29L(3) (S-110, T-150, TT-270) BL6,8A,9,10,11
S5, JP1, JP4 U2 VASI: Rnwy 11R RVV: Rnwy 4 RVV: Rnwy 29L
REIL Rnwy 11R, 22
Remarks: First 1000' NE end rnwy 4-22 clsd to non-mil acft.
Rnwy 11L-29R threshold displaced 610' SE. Twr unable to see
all areas of arpt. Navy emergency chain arresting gear in-

MINNESOTA—Continued

stalled both ends 11R/29L and 4-22.
Minneapolis Tower 118.7 126.2 122.7R Gnd Con 121.9
Circ Del 119.55
Radar Services: (BCN)
Minneapolis App Con 120.0 126.5 122.7R 121.2
117.3T 111.8T 110.3T 109.3T 108.6T
Minneapolis Dep Con 119.3
Tfc Info Ctc App Con on 126.5
PAR Rnwy 29L Ceil 300 Vsby 3/4 mi Min Alt 1140
ASR Rnwy 11R 29L Ceil 400 Vsby 1 mi Min Alt 1240
Rnwy 22 Ceil 600 Vsby 1 mi Min Alt 1440.
Rnwy 4 Ceil 500 Vsby 1 mi Min Alt 1340
ILS 110.3 I-MSP Apch Brg 295° LOM: 266/MS
109.3¹ I-APL Apch Brg 039° LOM: 338/AP
VHF/DF available, contact FSS.
(H) BVORTAC 117.3/MSP 154° 16.5NM to fld.
Rn H-SAB 266°/MSP 287° 2.4NM to fld.
Remarks: CAUTION—on apch to rnwy 11R do not descend
below 1400' until radar controller has advised passing twr 2.5
from apch end rnwy 11R. ¹BC unusable beyond 16 nmi. VOT:
111.0. LOM is H-SAB effective May 13.

NODINE (H) BVORTAC 117.9/ODI FSS: LaCROSSE, WIS.

PARK RAPIDS (L) BVOR 110.6/PKD FSS: GRAND FORKS

REDWOOD FALLS (L) BVOR 113.3/RWF FSS: REDWOOD FALLS

§ROCHESTER MUNI IFR 7S FSS: ROCHESTER on Fld
1310 H64/13-31(2) (S-126, T-159, TT-260) BL4,6,8A,9 S5 F4, JP4
U2 RVV: Rnwy 31
Tower 118.3 122.5R 121.9 278Tx Gnd Con 121.9
VFR ADV Ctc App Con on 119.8
App Con 119.8 122.5R 112.0T 109.9T
ILS 109.9¹ I-RST Apch Brg 307° LOM: 254/RS
(L) BVOR/DME 112.0/RST 025° 8.3NM to fld.
Remarks: ¹Lclzr front crs unusable beyond 20 nmi.

ST. CLOUD (T) BVOR 111.6/STC FSS: MINNEAPOLIS
Remarks: VFR use only.

ST PAUL

§ST PAUL-DOWNTOWN IFR 1S FSS: MINNEAPOLIS (DL)
703 H55/12-30(3) S-54, T-87, TT-160) BL2,5,11 S5 F5, JP5 U2
REIL: Rnwy 30
Remarks: 4562' avbl Indg mwy 12. NE-SW rnwy used as
taxwy.
St. Paul Tower ¹119.1 122.5R Gnd Con 121.7
Radar Services:
Minneapolis App Con 120.0 121.2 126.5 122.7R
117.3T 111.8T 110.3T 109.3T 266T
Minneapolis Dep Con 119.3
Tfc Info Ctc Minneapolis App Con on 126.5.
St Paul (T) VOR 108.6/STP 289° 4.6NM to fld.
Remarks: ¹Oper 1200-0400Z.

THIEF RIVER FALLS (L) BVOR 108.4/TVF FSS: GRAND FORKS

TWIN CITIES Rn MHW 282/NJU

WILLMAR (T) VOR 108.4/ILL FSS: REDWOOD FALLS

WINONA (T) BVOR 111.4/ONA FSS: LA CROSSE

WORTHINGTON (L) BVOR 110.6/OTG FSS: REDWOOD FALLS

MISSISSIPPI

CALEDONIA (L) VORW 114.9/CBM

COLUMBUS (L) BVORTAC 116.2/UBS FSS: TUSCALOOSA

GREEN COUNTY (L) BVOR 110.4/GCV FSS: MOBILE

GREENVILLE (T) BVOR 110.2/GLH FSS: GREENWOOD

MISSISSIPPI—Continued

| | | |
|---|---------------------------------------|------------------------------------|
| GREENWOOD (H) BVORTAC | 114.7/GRW | FSS: GREENWOOD |
| §GULFPORT MUNI IFR | 3NE | FSS: MOBILE (LC 436-4242) |
| 28 H90/13-31(3) | (S-80, T-120, TT-210) | BL4,6 SS F5, JP1 U2 |
| Remarks: Arrest barrier in oper on Rnwy 13-31. J-bar avbl Rnwy 13-31 on 5 min notice. 1000' overruns ea end Rnwy 13-31. | | |
| Tower | 121.3 122.5R 109.0T | Gnd Con 121.9 |
| App Con | 124.6 122.5R 109.0T | |
| (U) BVORTAC | 109.0/GPT on fld. | |
| HATTIESBURG (L) BVORTAC | 110.6/HBG | FSS: McCOMB |
| HOLLY SPRINGS (L) BVOR | 112.4/HLI | FSS: MEMPHIS |
| JACKSON | | |
| §HAWKINS FIELD IFR | 2NW | FSS: JACKSON |
| 343 H54/16-34(2) | (Max 47) | BL4,6 SS F4 JP1 U2 |
| Remarks: 1529' (1949) twr 10 NM SW 1615' (1949') twr 10 NM WSW. SW 1615' (1949') twr 10 NM WSW. | | |
| Tower | 118.7 126.2 122.5R 124.5 | 278T |
| Radar Services: | | |
| Jackson App Con | 123.9 ¹ 125.2 ² | |
| Jackson Dep Con | 123.9 125.2 | |
| Jackson RBN H-SAB | 260°/JAN 183° | 2.3NM to fld. |
| Remarks: 133°-152°. 153°-332°. 1200-0400Z. | | |
| §THOMPSON FIELD IFR | SE | FSS: JACKSON on Fld |
| 345 H85/15L-33R(2) | (S-120, T-150, TT-265) | BL6,8 SS F5, JP1 U2 RVV: Rnwy 15L. |
| Jackson Tower | 120.9 126.2 122.7R 348T | Gnd Con 121.7 |
| Radar Services: (BCN) | | |
| Jackson App Con | 125.2 ¹ 123.9 ² | |
| Jackson Dep Con | 125.2 ¹ 123.9 ² | |
| ASR Rnws 15L, 33R | Ceil 400 | Vsby 1 mi Min Alt 745 |
| Tfc Info: Ctc App Con | | |
| ILS ¹ | 110.5 I-JAN Apch Brg 153° | LOM: 365/JA |
| Jackson (H) BVORTAC | 112.6/JAN 152° | 11.7NM to rwy 15L. |
| Remarks: 153°-332°. 333°-152°. 1Glide slope unusable below 485'. | | |
| KEESLER RBN HW | 391/8IX | FSS: MOBILE |
| KEWANEE (L) BVOR | 113.8/EWA | FSS: MERIDIAN |
| LAUREL (L) BVOR | 108.6/LUL | FSS: MERIDIAN |
| McCOMB (H) BVORTAC | 116.7/MCB | FSS: McCOMB |
| MERIDIAN | | |
| §KEY FIELD IFR | 3SW | FSS: MERIDIAN on Fld |
| 297 H80/1-19(2) | (S-45, T-120, TT-220) | BL6 S3 F4, JP3 RVV: Rnwy 01 |
| Remarks: Transmissometer rwy 1. Rnwy lgts on request after midnht. Jet barrier rwy 1-19. Servicing Fee after 7 P.M. | | |
| Tower | 118.2 126.2 122.5R | Gnd Con 121.9 |
| Radar Services: (BCN) | | |
| Meridian App Con | 120.5 | |
| Meridian Dep Con | 124.8 | |
| ILS 110.1 | I-MEI Apch Brg 004° | BC unusable LOM: 356/ME |
| Meridian (H) BVORTAC | 117.0/MEI 129° | 3.5NM to fld. |
| Remarks: 1Twr ops 1300-0500Z. Glide slope unusable below 384' MSL. | | |
| NATCHEZ (L) BVOR | 110.0/HEZ | FSS: McCOMB |
| NAVY MERIDIAN RBN MHW | 344/NMM | |
| PICAYUNE (L) BVOR | 112.2/PCU | FSS: NEW ORLEANS |
| TUPELO (L) BVOR | 109.8/TUP | FSS: MUSCLE SHOALS |

MISSOURI

| | | |
|---|--|-------------------------|
| BLACKWATER (L) BVOR | 110.6/BWR | FSS: COLUMBIA |
| BLUE SPRINGS (L) BVOR | 113.6/BSP | FSS: KANSAS CITY |
| Remarks: Class to be (L) BVORTAC May 18. | | |
| BUTLER (H) BVORTAC | 115.9/BUM | FSS: KANSAS CITY |
| CAPE GIRARDEAU (L) BVOR | 112.9/CGI | FSS: CAPE GIRARDEAU |
| COLUMBIA (T) BVOR | 111.2/CBI | FSS: COLUMBIA |
| DOGWOOD (L) BVOR | 109.4/DGD | FSS: SPRINGFIELD |
| FARLEY RBN MHW | 290/FRY | FSS: KANSAS CITY |
| FARMINGTON (H) BVORTAC | 115.7/FAM | FSS: CAPE GIRARDEAU |
| FORNEY (L) VOR | 110.0/TBN | FSS: VICHY |
| RBN MH | 391/TBN | |
| HALLSVILLE (L) BVOR | 115.4/HLV | FSS: COLUMBIA |
| Remarks: To be (L) BVORTAC May 20. | | |
| JEFFERSON CITY (L) BVOR | 110.2/JEF | FSS: COLUMBIA |
| §JOPLIN MUNI IFR | 4NE | FSS: JOPLIN on Fld |
| 980 H55(3) | BL4,6 SS F4 U1 | |
| Remarks: 999' (2049' MSL) twr 5 NM SSW. | | |
| ILS ¹ | 110.3 I-JLN Apch Brg 131° | LOM: 219/JL |
| Remarks: BC unusable within 1.5NM end of rwy. Satisfactory for missed apchs. Front crs unusable below 1158' MSL. 999' (2049' MSL) twr 5NM SSW. | | |
| KANSAS CITY | | |
| §MID-CONTINENT INTL IFR | 15NW | FSS: KANSAS CITY |
| 1011 H90/18-36(1) | (S-100, T-188, TT-350) | BL6,8A,9 |
| RVR: | Rnwy 36 | |
| Tower | 120.7 122.4R | Gnd Con 121.8 |
| Radar Services: | | |
| Kansas City App Con | 118.9 ¹ 126.2 122.7R 121.1 ² | |
| 112.6T 109.9T | Kansas City Dep Con | 118.1 |
| Tfc Info: Ctc Kansas City App Con. | | |
| ILS 110.5 | I-MCI Apch Brg 005° | LOM: 359/MK |
| RBN H-SAB | 359/MK 005° | 4.4 to rwy 36. |
| Remarks: 1E sector. 2W sector. | | |
| §KANSAS CITY MUNI IFR | 4N | FSS: KANSAS CITY on Fld |
| 758 H70/18-36(3) | (S-110, T-165, TT-365) | BL4,6,8A,9,11,13 |
| SS F4, JP1 U2 | RVV: Rnwy 18 | REIL: Rnwy 36 |
| Remarks: Rnwy 35 usable daylight hrs only. 1042' (2049' MSL) twr 3.5NM S and 1023' (1946' MSL) twr 4.5NM ESE. Tfc patn acct under 12,500 lbs is 800' AGL. Lead-in lgts rwy 36. | | |
| Tower | 118.3 126.2 122.7R 121.1 111.4T | Gnd Con 121.9 |
| Radar Services: (BCN) | | |
| App Con | 118.9 ¹ 126.2 122.7R 121.1 ² 112.6T 109.9T | |
| Dep Con | 118.1 | |
| Tfc Info: Ctc App Con | | |
| PAR Rnwy 18 | Ceil 400 | Vsby 1 mi Min Alt 1158. |
| ILS ² | 109.9 I-MKC Apch Brg 187° | BC unusable LOM: 219/MK |
| (H) BVORTAC | 112.6/MKC 171° | 8.7NM to fld. |
| Riverside (T) BVOR | 111.4/RIS on fld. | |
| VHF/DF available, contact tower. | | |
| Remarks: Acft approaching from 001-180° use 118.9 and/from 179°-360° 121.1. Radar advisories avbl. 1E sector. 2W sector. ASR apch not auth. 2Glide slope unusable below 1014' MSL. Front crs unusable beyond 20 NM. VOT: 108.6. | | |
| KIRKSVILLE (H) BVORTAC | 114.6/IRK | FSS: KIRKSVILLE |
| LAKE RBN HW | 385/LAQ | FSS: ST. LOUIS |
| MACON (L) BVOR | 112.9/MCM | FSS: KIRKSVILLE |
| MALDEN (L) BVOR | 111.2/MAW | FSS: CAPE GIRARDEAU |
| MAPLES (L) BVORTAC | 113.4/MAP | FSS: VICHY |
| MARSHALL (L) BVOR | 109.6/MHL | FSS: COLUMBIA |

MISSOURI—Continued

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|------------------------------|-----------|------------------|
| MARYLAND HEIGHTS (L) BVORTAC | 110.8/MTS | FSS: ST LOUIS |
| NEOSHO (L) BVOR | 116.6/EOS | FSS: JOPLIN |
| READSVILLE (L) BVOR | 112.0/REA | FSS: COLUMBIA |
| RICHARDS-GEBAUR (L) VOR | 111.0/GVW | FSS: KANSAS CITY |
| RICHWOODS (L) BVOR | 109.2/RCW | FSS: ST. LOUIS |

ST JOSEPH

§ROSECRANS MEMORIAL IFR 3WNW FSS: KANSAS CITY (DL)
 826 H80/17-35(3) (S-60, T-160, TT-250) BL4,6,8 S5 F4
 RVV: Rnwy 35
 Tower 119.9 122.5R Gnd Con 121.9
 Kansas City App Con 121.1 126.2 122.7R 118.9
 Kansas City Dep Con 118.1
 ILS 110.3 I-STJ Apch Brg 352° LOM: 260/ST
 (L) BVORTAC 108.2/STJ 167° 10.7NM to fld.

ST. LOUIS

§LAMBERT-ST LOUIS IFR 10NW FSS: ST. LOUIS on Fld
 571 H100/12R-30L(4) (Max 75)¹ BL4,6,8A,9,12 S5 F4,
 JP1, JP5 U2 DT2 RVV: Rnwy 24
 Remarks: ¹(Max-100) rwy 17-35. Arresting gear rwy 12R-30L.
 Threshold lgt permly relctd 476' SE apch end rwy 12R.
 St. Louis Tower 118.5 126.2 122.7R Gnd Con 121.9
 ‡Cltc Del 119.5
 Radar Services:
 St. Louis App Con 126.5¹ 123.7 118.1²
 117.4T 110.3T 109.7T St. Louis Dep Con 119.9
 Tfc Info Ctc St. Louis App Con.
 PAR⁴ Rnwy 24 Ceil 200 Vsby ½ mi Min Alt 771.
 ASR Rnwys 6, 17, 24, 30L, 35 Ceil 500 Vsby 1 mi Min Alt 1071.
 Rnwys 12L, 30R Ceil 500 Vsby 1½ mi Min Alt 1071.
 Rnwy 12R Ceil 400 Vsby 1 mi Min Alt 971.
 ILS 110.3 I-STL Apch Brg 238° LOM: 404/ST
 109.7 I-LMR³ Apch Brg 117° LOM: 338/LM
 VHF/DF available, contact tower.
 St. Louis (H) BVORTAC 117.4/STL 138° 8.0NM to fld.
 St. Louis RBN (H-SAB) 338°/LM 117° 5.3NM to fld.
 Remarks: ¹Southeast arrivals. ²Northwest arrivals. ³Front and BC
 unusable beyond 17 NM below 2400' MSL. ⁴Radar monitoring
 of instrument apchs only at pilot's request.
 VOT: 111.0 LOM is H-SAB.

§SPIRIT OF ST. LOUIS 20W FSS: ST. LOUIS

457 H51/7-25(1) (S-30) BL6 S5 F4 DT2
 Remarks: Special Air Traffic Rules—Part 93, Subpart G in effect.
 Rgt tlc rwy 7. When twr clsd tkoff W only, Indgs not au-
 thorized.
 Tower¹ 121.3 122.5R 121.5X Gnd Con 121.7
 St. Louis App Con 126.5² 118.1³
 VFR/ADV Ctc App Con St. Louis, Lambert-St. Louis.
 Remarks: ¹Ops 1300-0400Z. ²Southeast arrivals. ³Northwest ar-
 rivals.

§SPRINGFIELD MUNI IFR 5NW FSS: SPRINGFIELD on Fld

1267 H56/1-19(2) (S-65, T-95, TT-165) BL5,6,8A,9 S5
 F5, TP1 RVV: Rnwy 1
 Tower 119.9 122.5R Gnd Con 121.9
 VFR ADV 125.8
 App Con 125.8 122.5R 116.9T 109.9T
 ILS¹ 109.9 1-SGF Apch Brg 015° LOM: 404/SG
 (H) BVORTAC 116.9/SGF 193° 6.8NM to fld
 RBN H-SAB 254°/SGF 137° 3.6NM to fld
 Remarks: ¹Glide slope unusable below 1325 ft MSL.

VICHY (L) BVORTAC 117.7/VIH FSS: VICHY

WHITEMAN (L) VOR 109.0/SZL FSS: COLUMBIA
 RBN HW 314/SZL

MONTANA

BILLINGS

§LOGAN FIELD IFR 2NW FSS: BILLINGS on Fld
 3606 H86/9-27(3) (S-130, T-200, TT-400) BL2,6,8A,9 S5
 F5, JP1, JP4 U2 RVV: Rnwy 9
 Remarks: 1000' overrun each end rwy 9-27.
 Billings Tower 118.3 122.5R
 VFR ADV: 120.5
 Billings Gnd Con 121.9
 Billings App Con 120.5 122.5R 114.5T
 110.3T
 ILS¹ 110.3 I-BIL Apch Brg 095° LOM: 251/BI
 Billings (H) BVORTAC 114.5/BIL 070° 3.2NM to fld
 Billings RBN H-SAB 400 /BIL 243° 1.4NM to fld
 VHF/DF: Avail ctc FSS.
 Remarks: ¹Not approved for auto apchs.

BOZEMAN (L) BVOR 112.2/BZN FSS: BOZEMAN

RBN H-SAB 329°/BZN

BUTTE (L) BVOR 111.6/BTM FSS: BUTTE

CUT BANK (L) BVOR 114.4/CTB FSS: CUT BANK
 RBN¹ BH 263/CTB
 Remarks: ¹VFR use only.

DILLON (H) BVORTAC 113.0/DLN FSS: DILLON

RBN¹ BH 379/DLN

Remarks: ¹VFR use only.

DRUMMOND (L) BVOR 117.1/DRU FSS: MISSOULA

GLASGOW (H) VOR 113.9/GSG FSS: MILES CITY

RBN H 236/GSG

§GREAT FALLS INTL IFR 3SW FSS: GREAT FALLS on Fld

3671 H90/3-21(4) (S-60, T-80, TT) BL4,6,8 S5 F5,JP1
 U2 RVV: Rnwys 16, 34
 Remarks: Rnwy 7-25 not authorized to acct over 64,000 lbs GWT.

Jet barrier rwy 3-21.
 Tower 118.7 126.2 122.5R Gnd Con 121.9

Radar Services: (BCN)
 App Con 118.1 134.1 126.2 122.7R 122.5Rx 121.1
 119.3 116.3T Dep Con 121.1

Tfc Info Ctc App Con on 118.1 119.3 or 122.7R

ASR Rnwy 21 Ceil 400 Vsby 1 mi Min Alt 4071
 Rnwys 3, 34 Ceil 500 Vsby 1 mi Min Alt 4171

ILS 110.3 I-GTF Apch Brg 341° BC unusable LOM: 407/GT

(H) BVORTAC 115.1/GTF 026° 1.9 NM to fld

RBN H-SAB 371/GTF 009° 0.9 NM to fld

§HELENA IFR 2NE FSS: HELENA on Fld

3873 H70/8-26(3) (S-90, T-120, TT-200) BL 5,11 S5 F5,
 JP1 U2 REIL rwy 26

Remarks: Rnwy 11-29 clsd to acct over 100,000 lbs GWT.

Rgt tlc W, SW, NW. Fee for commercial acct only.

Tower 118.3 122.5R Gnd Con 121.9

App Con 118.3

(H) BVORTAC 117.7/HLN at fld.

KALISPELL (L) BVOR 108.4/FCA FSS: MISSOULA

LEWISTOWN (H) BVORTAC 112.0/LWT FSS: LEWISTOWN

RBN¹ SBH 353/LWT

Remarks: ¹VFR use only.

LIVINGSTON (L) BVORTAC 116.1/LVM FSS: LIVINGSTON

RBN¹ BH 224/LVM

Remarks: ¹VFR use only.

MILES CITY (H) BVORTAC 112.1/MLS FSS: MILES CITY

Rbn (H-SAB) 320 /MLS

§MISSOULA CO IFR 4NW FSS: MISSOULA on Fld

3203 H-70/11-29(3) (S-90, T-115, TT-180) BL6 S5 F4 U2

Tower¹ 118.5 122.5R Gnd Con 121.9

(L) BVORTAC 112.8/MSO at fld

MONTANA—Continued

RBn H-SAB 308°/MSO 121° 1.4 NM to rwy 11.
Remarks: ¹Oper 1300-0500Z.

WHITEHALL (H) BVORTAC 113.7/HIA FSS: BUTTE

NEBRASKA

ALLIANCE (T) BVOR¹ 111.8/AIA FSS: SCOTTSBLUFF
RBn¹ HW 287/AIA
Remarks: ¹Owned by State.

BEATRICE (T) BVOR 110.6/BIE FSS: LINCOLN
Remarks: Owned by State.

CHADRON (L) BVOR 113.4/CDR FSS: CHADRON
RBn BH¹ 275/CDR
Remarks: ¹Owned by State.

COLUMBUS (T) BVOR 110.4/OLU FSS: LINCOLN
Remarks: Owned by State.

GORDON RBN HW 293/GRN FSS: CHADRON
Remarks: Owned, operd by State.

§GRAND ISLAND MUNI IFR 4NE FSS: GRAND ISLAND on Fld
1846 H72(3) (S-42, T-65, TT-125) BL5,6,8A,9 S5 U-1 F5, JP-1
Remarks: 1000' asphalt overrun both ends rwy 17-35. BAK/12
arresting gear lctd 90' in overrun rwy 35 and 80' in overrun
rwy 17.
Tower¹ 118.1 122.5R
(L) BVORTAC 112.0/GRI 170° 0.4 NM to rwy 17.
Remarks: ¹Oper 1200-0359Z.

HASTINGS (T) BVOR¹ 108.8/HSI FSS: GRAND ISLAND
RBn HW 338/HSI
Remarks: Owned by State

HAYES CENTER (H) BVORTAC 117.7/HCT FSS: IMPERIAL

HOLDREDGE RBN HW 396/HDE FSS: GRAND ISLAND
Remarks: Owned by State.

IMPERIAL RBN BH 353/IML FSS: IMPERIAL
Remarks: Owned by State

JACKSON RBN MHW 233/JKN FSS: SIOUX CITY CS/T

KEARNEY (T) VOR 111.2/EAR FSS: GRAND ISLAND
Remarks: Owned by state.

§LINCOLN MUNI/AFB IFR 4NW FSS: LINCOLN on Fld
1198 H129/17R-35L(2)¹ (Max-15) BL6,8A,9,11 S5
F5,JP1 RVV: Rwy 35L REIL: Rwy 17R
Remarks: ¹All civ acft use 4000' rwy 17L-35R except Max 30,
BL6 in actual IFR conditions or when acft manufacturers' recom-
mendations rqr the use of rwy 17R-35L. Ctn-jet ttc. Rwy
17L-35R (S-31, T-50, TT-87)
Tower 118.5 122.5R Gnd Con 121.9
App Con 124.8 109.9T
ILS 109.9 I-LNK Apch Brg 351° LOM: 385/LN
RBn MHW 385/LN
Remarks: LOM is MHW. Radar vectoring service provided IFR
acft by Chicago ARTCC.

McCOOK (L) BVOR 110.0/MCK FSS: NORTH PLATTE
Remarks: Owned by State.

NORFOLK (L) BVOR 109.6/OFK FSS: OMAHA

NORTH PLATTE (L) BVORTAC 117.4/LBF FSS: NORTH PLATTE
RBn H-SAB 224°/LBF

OMAHA

§EPPLEY AIRFIELD IFR 3NE FSS: OMAHA on Fld
983 H85/14-32(2) (S-180, T-200, TT-400) BL4,6,8A,9,11,12

NEBRASKA—Continued

S5 F5,JP1,JP4 TP1 RVR: Rwy 14. REIL: Rwy 35.

Remarks: US Customs Indg rgt arpt.

Omaha Tower 119.1 126.2 122.5R Gnd Con 121.9

Radar Services: (BCN)

Omaha App Con 120.1 125.7 122.5R

Omaha Dep Con 124.5 118.0

Tfc Info Ctc App Con on 120.1.

ILS¹ 110.3 I-OMA Apch Brg 136° LOM:² 379/OM

Omaha (H) BVORTAC 116.3/OMA 310° 10.2 NM to rwy 32

Omaha RBN H-SAB 320°/OMA 140° 4.4 NM to fld.

Remarks: ¹BC unusable beyond 16 NM. ²LOM freq to be 320
kc May 15.

O'NEILL (H) BVORTAC 113.9/ONL FSS: GRAND ISLAND

OSHKOSH RBN (HW) 233/OKS

Remarks: Owned by State.

PAWNEE CITY (H) BVORTAC 112.4/PWE FSS: LINCOLN

RAYMOND (L) BVORTAC 116.0/RAY FSS: LINCOLN

SCOTTSBLUFF (H) BVORTAC 112.6/BFF FSS: SCOTTSBLUFF

RBn SBH¹ 341/BFF

Remarks: ¹Operd by State.

SIDNEY (H) BVOR 115.7/SNY FSS: SIDNEY

VALENTINE RBN HW 314/VTN FSS: OMAHA (day)

Remarks: ¹Operd by State.

WOLBACH (H) BVORTAC 114.7/OBH FSS: GRAND ISLAND

NEVADA

BATTLE MOUNTAIN (H) BVORTAC 112.2/BAM FSS: ELKO

BEATTY (H) BVORTAC 114.7/BTY FSS: TONOPAH

BOULDER CITY (H) BVORTAC 116.7/BLD FSS: LAS VEGAS

COALDALE (H) BVORTAC 117.7/OAL FSS: TONOPAH

CURRENT (L) BVOR 113.4/URR FSS: ELY

ELKO (L) BVORTAC 114.5/EKO FSS: ELKO

RBn SABH 391°/EKO

ELY (L) BVOR 110.6/ELY FSS: ELY

HAZEN (L) BVORTAC 114.1/HZN FSS: LOVELOCK

INDIAN SPRINGS RBN HW 215/INS FSS: LAS VEGAS

LAS VEGAS

§McCARRAN IFR S5 FSS: LAS VEGAS on fld.
2171 H125/7-25(3) (S-100, T-200, TT-380) BL4,6,10 S5
F5, TP1,JP4,JP5 U2 DT2 VASI: Rwy 25

Remarks: Rwy 7 threshold displaced 750'W end. 11,795' avbl
Indg rwy 7 and tgo of rwy 25 day/ngt. 12545' avbl Indg rwy
25 and tko of rwy 7 day/ngt. Rwy 1 threshold displaced 625'
SW end. 6878' avbl Indg rwy 1 and tko of rwy 19 day/ngt. 7503'
avbl Indg rwy 19 and tgo of rwy 1 day/ngt. Rwy 32 threshold
displaced 379' SE end. 4021' avbl rwy 32 day/ngt. 4400'
avbl tko of rwy 32 day only. 4021' avbl tko of rwy 32 ngt only.
4400' avbl Indg rwy 14 day only. 4021' avbl Indg rwy 14
ngt only. 4021' avbl tko of rwy 14 day/ngt.

Tower 118.3 122.5R

Gnd Con 121.9

Radar Services: (BCN)

Las Vegas App Con 121.1 125.9 122.5R 116.9T

Las Vegas Dep Con 119.4

Tfc Info Ctc App Con 30 mi out on 121.1.

ASR Rwy 25 Ceil 400 Vsby 1 mi Min Alt 2571.

Rnwys 1,7¹ Ceil 600 Vsby 1 mi Min Alt 2771

Las Vegas (H) BVORTAC 116.9/LAS on fld.

Las Vegas RBN H-SABZ 206°/LAS 196° 8.5 NM to rwy 19.

NEVADA—Continued

Remarks: 'Acft inbd on FAP to runways 1 or 7 will descend not lower than 3100 until pilot is notified by RAPCON that he has passed a point 3 mi before the runway.

| | | |
|--|--------------------------|------------------|
| LOVELOCK (L) BVORTAC | 116.5/LOL | FSS: LOVELOCK |
| MERCURY RBN HW | 326/MCY | FSS: LAS VEGAS |
| MINA (L) BVOR | 113.1/MVA | FSS: TONOPAH |
| MORMON MESA (L) BVORTAC | 114.3/MMM | FSS: LAS VEGAS |
| MOUNT MOSES (L) BVORTAC | 117.5/MMO | FSS: LOVELOCK |
| §RENO MUNI IFR 25E | | FSS: RENO on Fld |
| 4411 H90/16-34(2) | (S-100, T-200, TT-350) | BL6,8A,9 S5 |
| F5, JP1, JP5 | U2 DT2 | |
| Remarks: A-gear each threshold runway 16-34. | | |
| Tower | 118.3 122.5R 278T | Gnd Con 121.9 |
| App Con | 119.2 117.9T 122.5R 254T | |
| ILS 109.3 | I-RNO Apch Brg 162° | LMM: 254/RNO |
| (H) BVORTAC | 117.9/RNO 229° | 5.1 NM to fld |
| RBN SBH | 254/RNO 161° | 2.3NM to fld. |
| Remarks: LMM is SBH. | | |
| SOD HOUSE (L) BVOR | 114.3/SDO | FSS: LOVELOCK |
| SPARKS RBN MHW | 329/SPK | FSS: RENO |
| TONOPAH (L) BVORTAC | 117.2/TPH | FSS: TONOPAH |
| WELLS (L) BVOR | 114.2/LWL | FSS: ELKO |
| WILSON CREEK (H) BVOR | 116.3/ILC | FSS: CEDAR CITY |

NEW HAMPSHIRE

| | | |
|---|------------------------|-----------------|
| BERLIN RBN HW | 281/BML | FSS: CONCORD |
| Remarks: Oper by State. | | |
| CONCORD (L) BVORTAC | 112.9/CON | FSS: CONCORD |
| KEENE (L) BVOR | 109.4/EEN | FSS: CONCORD |
| RBN MHW ¹ | 224/EEN | |
| Remarks: 'Oper by State. | | |
| LACONIA RBN MHW | 400/LCI | FSS: MONTPELIER |
| Remarks: Oper by State. | | |
| LEBANON (L) BVOR | 113.7/LEB | FSS: LEBANON |
| MANCHESTER | | |
| §GRENIER FIELD (MUNI) IFR | 4S | FSS: CONCORD |
| | | (LC 669-1641) |
| 233 H70/17-35(2) | (S-127, T-200, TT-400) | BL5,11 S3 F4 |
| U2 DT2 | REIL: Rnwy 35 | |
| Remarks: Severe down drafts apch end runway 35 when crosswinds exist. | | |
| Grenier Tower ¹ | 121.3 126.2 122.5R | |
| ILS 108.3 | I-MHT Apch Brg 352° | |
| Manchester (L) BVORTAC | 114.2/MHT 337° | 4.2 NM to fld. |
| Manchester RBN MHW ² | 338/MHT 352° | 3.5NM to fld. |
| Remarks: 'Oper 1000-0300Z. 'Oper by State. | | |
| NASHUA RBN MHW | 260/AMH | FSS: CONCORD |
| Remarks: Oper by State. | | |
| NORTH CONWAY RBN MHW | 334/CWN | FSS: CONCORD |
| Remarks: Oper by State. | | |
| WHITEFIELD RBN MHW | 272/HIE | FSS: LEBANON |
| Remarks: Oper by State. | | |

NEW JERSEY

ATLANTIC CITY

§NAFEC/ATLANTIC CITY (POMONA) IFR 9NW
FSS: MILLVILLE (LC 399-8096)
76 H100/13-31(4) (S-63, T-88, TT-160) BL4,6,8A,9 S3 F5, JP4 DT2

NEW JERSEY—Continued

Remarks: Fee. BAK/9 arresting gear installed 2000' from threshold runway 13 and 1000' from threshold runway 31. Pendant 1½" steel cable stretched across runway 31; ½-4" above surface with rubber doughnuts extending 6" above surface. Pendant may gyrate.

Atlantic City Tower 119.5 122.5R Gnd Con 121.9
Radar Services: (BCN)
Atlantic City App Con 124.6 122.5R 119.5 108.6T
Atlantic City Dep Con 128.4
PAR Rnwy 13 Ceil 200 Vsby ½ mi Min Alt 276
Rnwys 4,31 Ceil 300 Vsby ¾ mi Min Alt 376
ASR Rnwys 4, 8, 13, 17, 22, 26, 31, 35 Ceil 500¹ Vsby 1 mi Min Alt 576
ILS 110.5 I-ACY Apch Brg 128° BC unusable LOM: 254/AC
VHF/DF available, contact tower.
Atlantic City NAFEC VORTAC 111.3/XDB
Atlantic City NAFEC (L) VORTAC² 108.6/ACY at NAFEC
Remarks: '400 authorized for runways 13, 17, 22, 26, 31. 'TACAN unsuitable for apchs.

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| BARNEGAT (L) BVOR | 116.7/BGT | FSS: MILLVILLE |
| CHATHAM RBN MHW | 254/CAT | FSS: TETERBORO |
| COLTS NECK (L) VORTAC | 115.4/COL | FSS: TETERBORO |
| COYLE (H) BVORTAC | 113.4/CYN | FSS: MILLVILLE |
| LAKEHURST RBN HW | 396/NEL | FSS: N. PHILADELPHIA |
| MILLVILLE (L) BVORTAC | 115.2/MIV | FSS: MILLVILLE |
| Rng SBRAZ | 363/MV | |
| §MORRISTOWN MUNI IFR 2E | | FSS: TETERBORO (LC JEB-2196) |
| 187 H40/4-22(2) | BL4, 6 S5 F5, JP1 U2 DT2 | |
| Remarks: Dips first 800' runway 22. Ngt lng flts by nonbased acft prohibited. Due obstns, ramp and hwy not cld by twr. | | |
| Tower | 118.1 122.7R | Gnd Con 121.7 |
| Newark App Con | 120.6 ¹ 124.3 ² 120.6 122.7R | |
| Newark Dep Con | 119.2 127.6 | |
| Remarks: 'Oper 1200-0400Z. '270-089° '090-269° | | |
| §NEWARK MUNI IFR 2 S | | FSS: TETERBORO (DL) |
| 18 H70/4-22(2) | (S-115, T-200, TT-400) BL4, 6, 8A, 9, 10, 11 | |
| S5 F5, JP1 U2 DT2 | REIL and VASI: Rnwy 29 RVR: Rnwy 4, 22 | |
| RVV Rnwy 11, 29 | | |
| Remarks: US Customs Indg rgtls arpt. Fee. 1465' (1520' MSL) twr 9 NM ENE. | | |
| Tower | 118.3 126.2 122.7R 110.3T 109.3T 109.1T | |
| §Clmc Del | 121.4 | Gnd Con 121.9 |
| Radar Services: (BCN) | | |
| App Con | 120.6 ² 124.3 ² 122.7R 110.3T 109.3T | |
| Dep Con | 119.2 127.6 | |
| Tfc Info | Inbd tlc ctc App Con on 126.2 127.6 25 mi out. | |
| ASR Rnwys 11, 29 | Ceil 600 ¹ Vsby 1 mi Min Alt 618. | |
| Rnwy 22 | Ceil 900 Vsby 1 mi Min Alt 918 | |
| ILS 110.3 | I-EWR Apch Brg 037°. BC unusable. LOM: 359/EW ⁴ | |
| 109.1 | I-ARK Apch Brg 217° LOM: 241/AR | |
| RBN H-SAB | 379°/EWR 058° 1.0 NM to fld. | |
| VHF/DF available, contact tower. | | |
| Remarks: 'Rnwy 11-maintain 700' until passing the 2.5 mi radar fix '270-089° '090-269° 'LOM unusable beyond 12 mi 050-090°. VOT: 108.6 | | |

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| PATERSON RBN MHW | 347/PNJ | FSS: TETERBORO |
| ROBBINSVILLE (L)BVORTAC | 115.1/RBV | FSS: N. PHILADELPHIA |
| SEA ISLE (H)BVORTAC | 114.8/SIE | FSS: MILLVILLE |
| SOLBERG (L)BVORTAC | 112.9/SBJ | FSS: TETERBORO |
| SPARTA (L)BVORTAC | 112.3/SAX | FSS: TETERBORO |
| STILLWATER (L) BVORTAC | 109.6/STW | FSS: TETERBORO |

NEW JERSEY—Continued

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|---|------------------------------|
| §TETERBORO MUNI IFR 1 SW | FSS: TETERBORO on Fld |
| 7 H50/6-24(3) S-50, T-80, TT-) BL4, 8 S5 F5, JP1 DT2 | |
| Remarks: Fee. Clsd to jet and other acft over 80,000 lbs, motorless acft and uncontrolled acft activity except prior permission. Rnwy 32 clsd tkoff, Rnwy 14 clsd Indgs, nonstandard rwy lgt avbl rwy 14-32 on request. White lgt N edge, blue lgt S edge. P-line NE. 1465' (1520' MSL) twr 7.5 NM SSE. | |
| Tower 119.5 122.5R | Gnd Con 121.9 |
| Radar Services: | |
| Newark App Con 120.6 124.3 | |
| Newark Dep Con 119.2 127.6 | |
| ILS 109.3 I-TEB Apch Brg 059° BC unusable LOM: 219/TE | |
| TRENTON | |
| §MERCER COUNTY IFR 4 NW | FSS: N. PHILADELPHIA |
| | (LC. 882-1590) |
| 213 H52/6-24(3) S-31.5, T-51, TT-) BL4,11,12,¹ S5 F4, JP4, 5 U2 DT2 REIL: Rnwy 6 | |
| Remarks: Fee. P-line SW. Acft using rwy 24 on tkof continue straight out to Delaware River before executing left turn. ¹1500' apch lgt sys. | |
| Trenton Tower 120.7 122.5R | Gnd Con 121.9 |
| Radar Services: | |
| Philadelphia App Con 127.2¹ 123.8² 122.7R 109.3T | |
| Philadelphia Dep Con 119.0¹ 128.55² | |
| ILS 111.3 I-TTN Apch Brg 065° | LOM: 369/TT |
| Remarks: ¹270-089°. ²090-269°. | |
| WOODSTOWN (L)BVOR 112.8/00D | FSS: MILLVILLE |

NEW MEXICO

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|---|--------------------------------|
| ALAMOGORDA RBN HWZ 375/ALM | FSS: ROSWELL |
| §ALBUQUERQUE-SUNPORT/KIRTLAND AFB IFR 3 SE | FSS: ALBUQUERQUE on Fld |
| 5352 H127/8-26(4) (S-100, T-155, TT-445) BL4, 6, 8, 10 S5 F5, JP1 JP4 U2 VASI: Rnwy 8 RVV: Rnwy 35 | |
| Remarks: First 1500' rwy 17 not visible to twr. Tkofs mwys 3 and 35 limited to conventional acft no larger than DC-3. | |
| Albuquerque Tower 118.3 126.2 122.5R 119.2 | |
| Gnd Con 121.9 | |
| Cimc Del 119.2 | |
| Radar Services: (BCN) | |
| Albuquerque App Con 124.4 134.1 126.2 123.9 | |
| 122.5R 121.1 113.2T 110.3T | |
| Albuquerque Dep Con 121.1 | |
| Tfc Info Ctc App Con 25 mi out on 123.9. | |
| PAR³ Rnwy 8¹ Ceil 300 Vsby ¾ mi Min Alt 5652 | |
| ASR Rnwys 3¹, 8¹, 17, 35 Ceil 400 Vsby 1 mi Min Alt 5752 | |
| ILS 110.3 I-ABQ Apch Brg 350° LOM: 278/AB | |
| Albuquerque (H)BVORTAC 113.2/ABQ 077° 9.6 NM to fld. | |
| Albuquerque RBN SABH 230°/ABQ 355° 2.6 NM to fld. | |
| Remarks: ¹500-1½, rqr for civil jet acft. ²Radar monitoring of instrument apchs only at pilot's request. VOT: 111.0 | |
| ANTON CHICO (L)BVOR-DME 110.0/ACH | FSS: LAS VEGAS |
| CANNON (L) VORW 115.7/CVS | FSS: TUCUMCARI |
| RBN HW 272/CVS | |
| CARLSBAD (L)BVOR 116.3/CNM | FSS: CARLSBAD |
| CIMARRON (H) BVORTAC 116.4/CIM | FSS: TRINIDAD |
| COLUMBUS (L) BVORTAC 111.2/CUS | FSS: DEMING |
| CORONA (L) BVOR 115.5/CNX | FSS: ALBUQUERQUE |
| DEMING (L) BVOR 108.6/DMN | FSS: DEMING |
| §FARMINGTON MUNI IFR 2 NW | FSS: FARMINGTON on Fld |
| 5503 H67(2) (Max-60) BL4 S5 F4 U2 | |

NEW MEXICO—Continued

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| Tower¹ 118.5 118.9 122.5R | Gnd Con 121.7 |
| (H)BVORTAC 115.3/FMN | |
| Remarks: ¹Oper 1300-0500Z. | |
| GALLUP (H)BVOR¹ 115.1/GUP | FSS: ZUNI |
| Remarks: To be (H)BVORTAC May 1. | |
| GRANTS (L)BVORTAC 116.5/GNT | FSS: GRANTS |
| §HOBBS, LEA COUNTY IFR 4 W | FSS: HOBBS on Fld |
| 3659 H63/3-21 (4) (S-115 T-200 TT-400) BL4, 6 S5 F4 TP1 U2 | |
| Tower 118.3 126.2 122.5R | Gnd Con 121.9 |
| Hobbs (L) BVOR 111.0/HOB 031° 3.5 NM to rwy 3. | |
| HOLLOMAN (L)VORW 115.8/HMN | FSS: ROSWELL |
| LAS VEGAS (H) BVORTAC 117.3/LVS | FSS: LAS VEGAS |
| OTTO (L) BVOR 114.0/OTO | FSS: ALBUQUERQUE |
| PINON (L) BVOR 110.4/PIO | FSS: EL PASO |
| §ROSWELL MUNI IFR 1 NW | FSS: ROSWELL on Fld |
| 3623 H58/17-35(4) (S-42, T-60, TT-110) BL4 S5 F4 JP1 | |
| Remarks: Rgt tfc mwys 12, 17, 21, 26. Due non-vlby some areas of fld, ctc twr. | |
| Tower¹ 118.5 122.5R | Gnd Con 121.9 |
| Walker App Con 123.8 126.2X 122.7R 120.2X | |
| Walker Dep Con 123.8 122.7R | |
| Tfc Info Ctc Walker App Con 30 mi out at 10,000 and below on 120.2 | |
| (H) BVORTAC 116.1/ROW 028° 5.0NM to rwy 3. | |
| RBN BH 305/ROW 312° 7.9 NM to fld. | |
| VHF/DF avbl, ctc FSS | |
| Remarks: ¹Oper 1300-0500Z. | |
| §SANTA FE COUNTY MUNI IFR 9 SW | FSS: SANTA FE on Fld |
| 6344 H83/2-20 (3) (S-45, T-60, TT-) BL4 S5 F4, JP1 U2 | |
| Tower 126.2 122.5R 119.5 | Gnd Con 121.7 |
| (L) BVORTAC 110.6/SAF 332° 4.2 NM to fld | |
| SOCORRO (H) BVORTAC 116.8/ONM | FSS: ALBUQUERQUE |
| TAOS (L) BVOR 117.6/TAS | FSS: SANTA FE |
| TRUTH OR CONSEQUENCES (H) BVORTAC 112.7/TCS | FSS: TRUTH OR CONSEQUENCES |
| TUCUMCARI (H) BVORTAC 113.6/TCC | FSS: TUCUMCARI |
| WALKER RBN MHW 396/LK | FSS: ROSWELL |
| ZUNI (L) BVORTAC 113.4/ZUN | FSS: ZUNI |

NEW YORK

| | |
|---|-------------------------------|
| §ALBANY COUNTY IFR 6 NW AOE | FSS: ALBANY on Fld |
| 288 H50/1-19 (3) (S-110, T-200, TT-400) BL4, 6, 8A, 9 S5 F5, JP1 DT2 RVV: Rnwy 19 | |
| Remarks: Fee. Road S, trees SE. Rnwy 15-33 unlgtd, clsd ngt opens and acft over 12,500 lbs. | |
| Tower 119.5 122.5R | Gnd Con 121.7 |
| Radar Services: (BCN) | |
| App Con 125.0 124.7 122.5R 109.5T | Dep Con 125.2 |
| ASR Rnwys 1, 19 Ceil 500 Vsby 1 mi Min Alt 788 | |
| ILS 109.5 I-ALB Apch Brg 191° LOM: 219/AL | |
| (H) BVORTAC 117.8/ALB on fld. | |
| Remarks: VOT: 109.0 | |
| ALPINE RBN MHW 245/ALP | FSS: ELMIRA |
| AVON RBN MHW 344/AVN | FSS: ROCHESTER |
| BABYLON RBN MHW 275/BBN | FSS: NEW YORK |
| BECKSGROVE RBN MHW 329/BKG | FSS: UTICA |
| BINGHAMTON | |
| §BROOME COUNTY IFR 7 N | FSS: BINGHAMTON on Fld |
| 1629 H56/16-34(2) (S-94.5, T-135, TT-) BL4, 6, 12 S5 F5, JP1 DT2 RVV: Rnwy 34 | |

NEW YORK—Continued

Broome Tower 119.3 122.5R 114.3T 110.3T 112.1T
Gnd Con 121.9
Radar Services: (BCN)
Broome App Con 118.6 Broome Dep Con 126.1
ASR Rnwys 10, 16, 28, 34 Ceil 400 Vsby 1 mi
Min Alt 2029
ILS 110.3 I-BGM Apch Brg 338° BC unusable LMM: 203/GM
Binghamton (L) BVORTAC 114.3/BGM 076° 7.0 NM to fld.
Binghamton RBN MHW 317/BGM 338° 6.9 NM to fld.

BUFFALO

§GREATER BUFFALO INTL IFR 5 E AOE FSS: BUFFALO on Fld
722 H81/5-23(2) (S-120, T-180, TT-400) BL4, 6, 11 S5 F5, JP1,
JP4, JP5 DT2
Remarks: Fee.
Tower 120.5 122.5R Gnd Con 121.9
Clmc Del 124.7
Radar Services:
Buffalo App Con 126.5 126.2 122.5R 123.7 110.3T
Buffalo Dep Con 125.5
Tfc Info Inbnd acft ctc Buffalo App Con on 120.1 or 126.2
aprx 25 mi out.
ASR Rnwys 5, 23, 31 Ceil 400 Vsby 1 mi Min Alt 1119
Rnwy 13 Ceil 500 Vsby 1 mi Min Alt 1219
ILS 110.3 I-BUF Apch Brg 052° BC unusable. LOM: 204/GB
Buffalo (H) BVORTAC 116.4/BUF 287° 3.6 nm to fld
Buffalo RBN BH 260/BUF 211° 0.9 nm to fld
VHF/DF available, contact Buffalo App Con
Remarks: VOT: 109.0.

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|----------------------|-----------|----------------------|
| CAMBRIDGE (L) BVOR | 115.0/CAM | FSS: GLENS FALLS |
| CANARSIE (T) VORW | 111.0/CRI | FSS: JFK TWR |
| CARMEL (L) BVORTAC | 116.6/CMK | FSS: TETERBORO |
| DEER PARK (L) VORTAC | 111.2/DPK | FSS: NEW YORK |
| DE LANCEY (L) BVOR | 112.1/DNY | FSS: BINGHAMTON CS/T |
| DUNKIRK (L) BVOR | 114.2/DKK | FSS: BUFFALO |

ELMIRA

§CHEMUNG COUNTY IFR 5 NW FSS: ELMIRA on Fld
951 H56/6-24(3) (S-42, T-69, TT-120) BL5, 6, 8A, 9 S5 F5, JP1
U2 DT2
Elmira Tower 121.1 122.5R Gnd Con 121.9
Elmira App Con 121.1 118.95 122.5R 127.25¹
ILS 109.1 I-ELM Apch Brg 239° BC restricted LMM: 230/LM
Elmira (L) BVORTAC 113.7/ELM 066° 6.6NM to fld.
Elmira RBN SABH 375°/ELM 076° 1.3NM to fld.
Remarks: ¹For IFR acft operg Tompkins Co Arpt, Ithaca, N.Y.

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|-------------------------|-----------|----------------------|
| GENESEO (L) BVORTAC | 108.2/GEE | FSS: BUFFALO |
| GEORGETOWN (L) BVOR | 115.2/GGT | FSS: UTICA |
| GLENS FALLS (L) BVORTAC | 110.2/GFL | FSS: GLENS FALLS |
| HAMPTON (H) BVORTAC | 113.6/HTO | FSS: NEW YORK |
| HANCOCK (L) BVOR | 109.0/HNK | FSS: BINGHAMTON CS/T |
| HUGUENOT (H) BVORTAC | 116.1/HUO | FSS: WILKES-BARRE |

ISLIP

§LONG ISLAND—MacARTHUR IFR 7 NE FSS: NEW YORK on IFd
98 H50/6-24(3) (S-60, T-80, TT-) BL4, 6, 7, 12 S5
F5, TP1 DT2 RVV: Rnwy 6
Remarks: Trees E.
Tower 119.3 126.2 122.5R 108.3T Gnd Con 121.7
Radar Services:
Kennedy App Con 118.0 134.1 123.7 122.7R 118.4

NEW YORK—Continued

Kennedy Dep Con 123.9¹ 134.1 121.1³
ILS 108.3 I-ISL Apch Brg 057° LOM: 346/IS
VHF/DF available, ctc FSS.
Remarks: ¹054-110°. ²110-160°.

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|------------------------------|-----------|-------------------|
| ITHACA (L) BVOR | 111.8/ITH | FSS: ELMIRA |
| JAMESTOWN (L) BVOR | 113.1/JHW | FSS: BRADFORD |
| KINGSTON (L) BVOR | 117.6/IGN | FSS: POUGHKEEPSIE |
| MASSENA (H) BVORTAC | 114.1/MSS | FSS: MASSENA |
| NEWBURGH STEWART AFB (L) VOR | 110.8/SWF | FSS: POUGHKEEPSIE |
| RBN MHW | 335/SWF | |

NEW YORK

§JOHN F KENNEDY INTL IFR 11 SE FSS: NEW YORK (DL)
12 H146/13R-31L(5) (S-100, T-185, TT-340) BL6, 8A, 9, 10, 11,
14, 15 S5 F5, JP1, JP4 U2 DT2 VASI: Rnwy 13L, 13R
RVV: Rnwys 4R, 22L, 31L, 31R REIL: Rnwy 13L¹
Remarks: Fee. Clsd to fightertype, jet and turboprop acft excp
with prior approval and to routine mil ttc. Rnwy 13R-31L,
14,572' with Indg threshold 13R displaced 2600' 31L displaced
3324'. Rnwy 7-25 clsd duration winter due constrn. Rnwy 4L-
22R extended to 11,350' with Indg threshold rnwy 22R displaced
3020'. Rnwy 13L displaced threshold usable length 7739'. 1465'
(1520' MSL) twr 11 NM NW. ¹Nonstandard. Lead in lgts rnwys
13L and 13R.
Kennedy Tower 119.1 134.1 122.7R 110.9T 109.5T
*Clmc Del 121.65 Gnd Con 121.9
ATIS ARR (NE) 111.2 (SW) 115.4 DEP 112.5
Radar Services: (BCN)
Kennedy App Con 127.4 134.1 123.7 122.7R
118.4 109.5T
Kennedy Dep Con 123.9¹ 134.1 121.1²
PAR Rnwy 4R Ceil 200 Vsby ½ mi Min Alt 212
ASR Rnwy 4L Ceil 600 Vsby 1 mi Min Alt 612.
Rnwys 22R Ceil 500 Vsby 1 mi Min Alt 512.
Rnwys 31R Ceil 400 Vsby 1 mi Min Alt 412.
ILS 109.5 I-JFK Apch Brg 042° LOM: 373/JF⁴
110.9 I-IWY Apch Brg 222° LOM: 226/IW
111.5 I-RTH³ Apch Brg 311° BC unusable. LOM: 268/RT
Kennedy (H) BVORTAC 115.9/JFK on fld.
Kennedy RBN MHW 373/JF 042° 2.7 NM to rnwy 4R.
VHF/DF available contact tower.
Remarks: ¹054-110°. ²110-160°. ³Glide slope shutdown until
July 1. ⁴LOM is MHW. VOT: 112.5.

§LA GUARDIA IFR 4E FSS: TETERBORO (DL)
21 H70/4-22(2) S-80, T-105, TT-105) BL6, 8A, 9, 10, 11
S5 F5, JP1 U2 DT2 VASI: Rnwys 13, 22, 31 RVV: Rnwy 4
REIL: Rnwy 13-31, 22
Remarks: Fee. Rnwy threshold displaced 175' NW. 5813' avbl
Indg rnwy 31. Clsd to jet propelled acft, motorless & acft over
105,000 lbs unless prior permission. Rnwy 4 clsd to turbo jet
acft Indg. Rnwy 22 clsd to turbojet acft tkof. 1465' (1520' MSL)
twr 5 NM WSW.
FAA Dep Proc: Rnwy 13-rgt turn and proceed over Flushing
Meadow Park before turning on course.
Tower 118.7 122.7R 113.1T 109.9T 108.5T 110.5T
*Clmc Del 126.15 Gnd Con 121.7
Radar Services: (BCN)
App Con 125.7 122.7R 118.9 109.9T 108.5T 110.5T
Dep Con 120.4 128.8
Tfc Info All VFR ttc inbnd ctc App Con West of Hudson River
125.7, East of Hudson River 118.9
PAR ⁴Rnwy 4 Ceil 400 Vsby ¾ mi Min Alt 421
ASR Rnwys 4, 13, 22 Ceil 700 Vsby 1 mi Min Alt 721.
Rnwy 31 Ceil 600 Vsby 1 mi Min Alt 621.

NEW YORK—Continued

ILS 109.9 I-LGA¹ Apch Brg 043° BC unusable LOM: 332/LG
108.5 I-GDI² Apch Brg 134°
110.5 I-URD³ Apch Brg 223° BC unusable LOM: 385/UR
La Guardia (L) VOR-DME 113.1/LGA 177° 0.4 NM to fld
VHF/DF available, contact. App Con
Remarks: Flwg shut down indef due arpt constr: Rnwy 22
apch lghts; Rnwy 4 ILS, PAR adv svc to Rnwy 22. ¹Lciz unusable
below 2000' MSL beyond 17 NM. LOM subject to 30° oscilla-
tions in W quad. Glide slope crs deviation may be encountered
due to acct movements in close proximity to glide slope trans-
mitter when wea conditions are 1000-3 or better. ²Front crs
unusable beyond 15 NM below 2500'. BC unusable beyond
15 NM below 3000'. ³LOM unusable beyond 9 NM between
235-245° acct erroneous needle action. ⁴Radar monitoring of
instrument apchs only at pilot's request. VOT: 109.0.

§NIAGARA FALLS MUNI IFR 4 E FSS: BUFFALO (DL)
590 H91/10L-28R(4) (S-90) BL4, 6, 8A, 9 S3 F5 JP4 DT2
Remarks: No signal SS-SR to indicate IFR conditions less than 3
mi and/or ceil less than 1000'.
Niagara Tower 118.5 126.2 122.7R 110.1T Gnd Con 121.7
Radar Services:
Buffalo App Con 123.7 126.2 122.5R 120.1 110.3T 278T
Buffalo Dep Con 125.5

ILS 110.1 I-IAG Apch Brg 278° BC unusable LOM: 329/IA
VHF/DF available, contact tower.

ODDENSBURG RBN MHW 203/OGS FSS: MASSENA

OLEAN RBN MHW 360/LYS FSS: BRADFORD
Remarks: Oper 1200-0300Z.

PECONIC RBN MHW 339/PIC FSS: NEW YORK

PLATTSBURGH (H) BVORTAC 117.4/PLB FSS: MONTPELIER
RBN MHW 385/PBG

POUGHKEEPSIE (L) BVORTAC 112.2/POU FSS: POUGHKEEPSIE

RIVERHEAD (L) VORTAC 117.2/RVH FSS: NEW YORK

§ROCHESTER-MONROE CO IFR 3 SW AOE

FSS: ROCHESTER on Fld
560 H70/4-22(5) (S-126, T-160, TT-265) BL5, 6, 8A, 9, 14, 15 S5
F5, JP1 U2 DT2 RVV: Rnwy 28
Remarks: Rnwy 30 threshold displaced 690' NW. 2351' avbl
Indg rnwy 30. Fee for acct over 5000 lbs. No signal SS-SR
to indicate IFR conditions.

Tower 118.3 122.5R Gnd Con 121.7

Radar Services: (BCN)

App Con 124.0 120.7 122.5R

Dep Con 121.0

Tfc Info Ctc App Con on 124.0

ASR Rnwy 1 Ceil 400 Vsby 1 mi Min Alt 960.

Rnwy 4 Ceil 700 Vsby 1 mi Min Alt 1260.

Rnwy 10 Ceil 400 Vsby 1 mi Min Alt 960.

Rnwy 19, 22 Ceil 600 Vsby 1 mi Min Alt 1160

Rnwy 28 Ceil 500 Vsby 1 mi Min Alt 1060.

ILS¹ 109.5 I-ROC Apch Brg 277° BC unusable LOM: 400/RO
110.7 I-MCU Apch Brg 040°

Rochester (L) BVORTAC 110.0/ROC at fld.

Remarks: ¹Glide slope unusable below 760' due crs roughness.

ROCKDALE (L) BVOR 112.6/RKA FSS: BINGHAMTON CS/T

ROME RBN HW 212/RME FSS: UTICA

SARANAC LAKE (T) BVOR 111.2/SLK FSS: MASSENA

§SCHENECTADY COUNTY IFR 2 N FSS: ALBANY (DL)

378 H70/4-22(3) (S-52.5, T-75, TT-135) BL4, 6 S5

F5, JP5 U2 DT2

Remarks: Lght prior req after 0300Z. First 100' apch end
rnwy 10 not visible from ctl twr. Rnwy 28, 15 and 33 apch
restricted by trees.

NEW YORK—Continued

Tower¹ 126.2 121.3 122.5R 356T

Radar Services:

Albany App Con 125.0 124.7 122.5R 109.5R

Albany Dep Con 125.2

VHF/DF available, contact tower.

Schenectady (T) VOR 111.0/SCH

Schenectady RBN² MH 356/SCH

Remarks: ¹Oper 1100-0300Z. ²Oper 1200-0400Z.

SYRACUSE

§HANCOCK IFR 4 NE FSS: SYRACUSE on Fld

421 H90/10-28(3) (S-120, T-190, TT-350) BL4, 6, 8A, 9, 14 S5

F5, JP4 DT2 RVV: Rnwy 28

Remarks: Rnwy 6-24 limited to acct under 12,500 lbs GWT.

Syracuse Tower 126.2 122.5R 119.9 Gnd Con 121.7

Radar Services (BCN)

Syracuse App Con 120.3 122.5R 109.9T

Syracuse Dep Con 125.6

ASR Rnwy 14 Ceil 400 Vsby 1 mi Min Alt 821.

Rnwy 10 Ceil 500 Vsby 1 mi Min Alt 921.

Rnwy 28 Ceil 700 Vsby 1 mi Min Alt 1121

ILS 109.9 I-SYR Apch Brg 278° LOM: 242/SY

Syracuse (H) BVORTAC 117.0/SYR 131° 4.7 NM to fld.

Syracuse RBN SBH 350/SYR 100° 6.7 NM to fld.

UTICA

§ONEIDA COUNTY IFR 7 NW FSS: UTICA on Fld

742 H60/15-33(2) (S-60, T-80, TT) BL4, 6, 8A, 9 S5

F2 U2 DT2 RVV: Rnwy 33.

Remarks: Rgt lfc rnws 9 & 15.

Utica Tower 118.1 122.5R 109.3T Gnd Con 121.9

Radar Services: (BCN)

Griffiss App Con 118.5 134.1 122.5R

Griffiss Dep Con 120.9

ILS 109.3 I-UCA Apch Brg 329° LMM: 254/CA

Utica (L) BVOR 108.6/UCA 318° 11.6 NM to fld.

Utica RBN MHW 275/UTI 329° 7.3 NM to fld.

WATERTOWN (L) BVOR 109.8/ART FSS: WATERTOWN

WELLSVILLE (L) BVOR 116.0/ELZ FSS: ELMIRA

WESTHAMPTON BEACH

SUFFOLK COUNTY (T) VOR 110.4/FOK FSS: NEW YORK

WHITE PLAINS

§WESTCHESTER COUNTY IFR 3NE FSS: NEW YORK

439 H65/16-34(3) (S-63, T-110, TT-275) BL4, 8A, 9 S5

F5, JP5 U2 DT2

Remarks: Trees NW, SE. Fee. Rnwy 5 clsd ngt Indgs, rnwy 23
ngt tkofs. First 400' rnwy 23 not visible to twr.

Tower 119.7 126.2 122.5R 109.7T Gnd Con 121.9

App Con 121.2 122.5R 109.7T

ILS 109.7 I-HPN Apch Brg 162° BC unusable LOM: 281/HP

NORTH CAROLINA

§ASHEVILLE MUNI IFR 9 S FSS: GREER (LC 684-4401)

2161 H65/16-34(1) (S-100, T-160, TT-275) BL6,8A,9,10 S5

F5, JP1, JP4 U2 VASI: Rnwy 16 RVV: Rnwy 34.

Remarks: Rgt lfc NW.

Tower 121.1 122.5R Gnd Con 121.9

App Con 125.3 122.5R

ILS¹ 110.5 I-AVL Apch Brg 342° BC restricted, unusable for
apchs. LMM: 227/VL

(L) BVORTAC 112.2/AVL 281° 10.4 NM to fld

RBN MHW 357/ABN 160° 5.8 NM to fld

Remarks: ¹Glide slope unusable below 2310' MSL.

BROAD RIVER RBN HW 379/BRA FSS: ASHEVILLE

CAROLINA BEARCH RBN HW 216/CLB FSS: WILMINGTON CS/T

NORTH CAROLINA—Continued

CHARLOTTE

§DOUGLAS MUNI IFR 4 W FSS: HICKORY (LC 332-8161)
 748 H75/5-23(2) (S-50)* BL6, 8A, 9 S5
 F5, JP1 U2 RVV: Rnwy 5
 Remarks: *(Rnwy 18-36-(S-60)) 1073' (1932' MSL) twr 10 NM
 ENE. Rnwy 18 threshold displaced 600'. Usable lndg length
 7200'.
 Charlotte Tower 118.1 126.2 122.5R 109.5T Gnd Con 121.9
 Radar Services: (BCN)
 Charlotte App Con 120.5 126.2 122.5R 119.0 109.5T
 Charlotte Dep Con 124.0
 ASR Rnwys 5, 18, 23¹, 36 Ceil 400 Vsby 1 mi Min Alt 1148
 ILS² 109.5 I-CLT Apch Brg 050° BC unusable LOM: 242/CL
 Charlotte (L) BVORTAC 110.6/CLT on fld
 Remarks: ¹On apch, maint 1300 or above til 2.5 mi from apch
 end of rnwy 23 on final. ²Glide slope unusable below 948'
 MSL. VOT: 112.0

COFIELD (L) BVORTAC 114.4/CVI FSS: ELIZABETH CITY

ELIZABETH CITY (L) BVOR 109.4/ECG FSS: ELIZABETH CITY

FAYETTEVILLE

§GRANNIS FIELD IFR 3 S FSS: FAYETTEVILLE on Fld
 189 H50/3-21(2) (S-64, T-120, TT-200) BL4,6,8A,9 S5 F4, JP4
 RVV: Rnwy 3
 Remarks: Trees NNW, SSE.
 Fayetteville Tower 118.3 122.5R Gnd Con 121.7
 Radar Services: (BCN)
 Fayetteville App Con 120.6
 Fayetteville Dep Con 120.4
 ILS¹ 110.5 I-GRA Apch Brg 035° BC unusable LOM: 367/GR
 Fayetteville (L) BVOR 108.8/FAY on fld.
 Remarks: ¹Lclsr usable area restricted to 35° either side front
 crs. All other areas unusable.

FORT BRAGG, POPE AFB (L) VORW 113./POB FSS: ROCKY MOUNT

FORT BRAGG, SIMMONS AAF (L) VOR 109.8/FBG
 RBn MH 201/FBG FSS: ROCKY MOUNT

§GREENSBORO-HIGH POINT/WINSTON-SALEM IFR 7 W
 FSS: RALEIGH (LC BR 56341)

927 H64/14-32(2) (S-40, T-140, TT) BL4, 6, 8A, 9 S5
 F4, JP5 U2 RVV: Rnwy 14
 Greensboro Tower 119.1 126.2 122.5R 109.9T
 Gnd Con 121.9
 Radar Services: (BCN)
 Greensboro App Con 118.5 122.5R 120.9 116.2T 109.9T
 Greensboro Dep Con 124.6
 ASR Rnwys 5, 14, 23, 32 Ceil 400 Vsby 1 mi Min Alt 1327
 ILS¹ 109.9 I-GSO Apch Brg 138° LOM: 254/GS
 Greensboro (H) BVORTAC 116.2/GSO 030° 3.0 NM to fld.
 Remarks: ¹Glide slope unusable below 1127' MSL.

HICKORY (L) BVOR 110.8/HKY FSS: HICKORY

KINSTON (L) BVORTAC 109.6/ISO FSS: NEW BERN

LIBERTY (L) BVOR 111.2/LIB FSS: RALEIGH-DURHAM

NEW BERN (L) BVOR 108.4/EWN FSS: NEW BERN

PINEHURST (L) BVOR 111.8/SOP FSS: FAYETTEVILLE

§RALEIGH-DURHAM IFR 9 NW FSS: RALEIGH on Fld
 435 H75/5-23(3) (S-110, T-160, TT-270) BL4, 6, 8A, 9 S5
 F5, JP1 U2 RVV: Rnwy 5
 Remarks: No signal b/n SS-SR indicate gnd vsby of less than 2.6
 NM and/or ceil less than 1000.

NORTH CAROLINA—Continued

Tower 119.3 126.2 122.5R 109.5T Gnd Con 121.9

Radar Services: (BCN)

Raleigh App Con 125.3 122.5R 120.6

Raleigh Dep Con 120.6 124.8

Tfc Info Inbnd act ctc App Con 25 mi out on 125.3

ILS¹ 109.5 I-RDU Apch Brg 049° LOM: 382/RD

(H) BVORTAC 117.2/RDU at fld.

RBn H-SAB 350°/RDU 229° 4.0 NM to fld.

Remarks: ¹Glide slope unusable below 635' MSL.

ROCKY MOUNT (L) BVORTAC 117.8/RMT FSS: ROCKY MOUNT

SEYMOUR-JOHNSON AFB (L) VOR 116.5/GSB FSS: ROCKY MOUNT

RBn MHW 285/GSB

ILS¹ 109.3 I-GSB Apch Brg 077° BC unusable LOM 285/GSB

Remarks: LOM is MHW. ¹Glide slope unusable below 309'.

WEEKSVILLE RBn (HW) 254/EKV FSS: ELIZABETH CITY

WILMINGTON

§NEW HANOVER CO IFR 2 NE FSS: NEW BERN
 (LC 762-7567)

31 H80/5-23(3) (S-120, T, TT)* BL4, 6, 8A, 9 S5
 F5, JP5

Remarks: *(S-90, T-120, TT-212) avbl rnwy 5-23 (S-30, T-48,
 TT-86) avbl rnwy 9-27 Rnwy 9 threshold displaced 2875' E.
 Usable length rnwy 9-27 4127'. Due non-vsby some areas of fld,
 ctc twr. Jet arresting gear rnwy 16-34.

Wilmington Tower 119.9 122.5R 110.3T 388T Gnd Con 121.9
 Circl Del 121.9

Wilmington App Con 118.8 122.5R 110.3T

ILS¹ 110.3 I-ILM Apch Brg 343° LOM: 281/IL

Wilmington (H) BVORTAC 117.0/ILM 201° 5.0 NM to fld.

Remarks: ¹Lclsr unusable MM to touchdown.

WINSTON-SALEM

§SMITH REYNOLDS IFR 2NE FSS: HICKORY

969 H66/15-33(3) (S-40, T-85, TT-105) BL4, 6, 8, 12 S5

F5, JP5 U2 RVV: Rnwy 33.

Remarks: Apch lghts oper 0700-2300 only. Rnwy lghts 15-33 only
 oper 2300-0700. Rnwy 3-21 (S-56, T-85, TT-105)

Winston-Salem Tower¹ 118.7 126.2 122.7R 278T

Gnd Con 121.7

Radar Services: (BCN)

Greensboro App Con 118.5 122.5R 120.9 109.9T

Greensboro Dep Con 124.6

ILS² 110.3 I-INT Apch Brg 328° BC unusable LOM: 317/IN

Remarks: ¹Oper 1200-0400Z. ²Glide slope unusable below 1069'
 MSL. ILS monitored only by electronic means 2300-0700 EST
 daily.

NORTH DAKOTA

§BISMARCK MUNI IFR 2 SE FSS: BISMARCK on Fld
 1653 H69/12-30(3) (S-78, T-114, TT-190) BL4, 6, 8 S5

F4 JP4 U2 RVV: Rnwy 30

Remarks: Rnwys 17-35, 2-20 and E-W twy clsd to acct over
 26,000 lbs excp when authorized by twr. First 800' rnwy 12
 clsd to lndg acct.

Tower 118.3 122.5R Gnd Con 121.9

App Con 118.3

ILS 110.3 I-BIS Apch Brg 306° LOM: 215/BI

(L) BVOR 116.5/BIS 272° 3.6 NM to fld

RBn BH 230/BIS 252° 1.9 NM to fld

DEERING (H) VOR 115.7/MIB FSS: MINOT

DEVILS LAKE (L) BVOR 111.0/DVL FSS: GRAND FORKS

NORTH DAKOTA—Continued

| | | |
|-------------------------------------|--------------------------------|-------------------|
| DICKINSON (H) BVORTAC | 112.9/DIK | FSS: DICKINSON |
| EDn BH ¹ | 308/DIK | |
| Remarks: ¹ VFR use only. | | |
| FARGO | | |
| §HECTOR FIELD IFR | 2NW | FSS: FARGO on Fld |
| 900 H91/17-35(3) | (S-90, T-120, TT) | BL4,6,8 S5 |
| F5, JP1, JP4 U2 | RVV: Rnwys 17, 35 | |
| Fargo Tower | 118.3 122.5R | Gnd Con 121.9 |
| Fargo App Con | 125.8 110.3T 365T | |
| VFR ADV | Ctc App Con 25 mi out on 125.8 | |
| ILS 110.3 | I-FAR Apch Brg 351° | LOM: 219/FA |
| Fargo (H) VORTAC | 116.2/FAR 360° | 9.4NM to fld |
| Fargo EDn BH | 365/FAR 171° | 4.6NM to fld |
| GRAND FORKS (L) BVOR | 111.2/GFK | FSS: GRAND FORKS |
| JAMESTOWN (L) BVOR | 114.5/JMS | FSS: JAMESTOWN |
| MINOT (L) BVOR | 117.1/MOT | FSS: MINOT |
| Rng BMRLZ | 209/MT | |
| PEMBINA (H) BVORTAC | 112.4/PMB | FSS: GRAND FORKS |
| RED RIVER (H) VOR | 116.7/RDR | |
| RBn H | 400/RDR | |
| WILLISTON (L) BVOR | 116.3/ISN | FSS: MINOT |

OHIO

| | | |
|---|--|-------------------|
| §AKRON MUNI IFR | Adj SE AOE | FSS: AKRON on Fld |
| 1059 H53/7-25(4) | BL4, 6, 11 S5 F5 JP1 U2 DT2 | |
| REIL: Rnwys 7 and 25. | | |
| Remarks: Poles E. Obstrn lgts inop SE hill apch rwy 32. | | |
| Tower | 120.1 122.7R 110.9T | Gnd Con 121.9 |
| Radar Services: | | |
| Akron-Canton App Con | 125.5 126.2 122.5R 109.5T | |
| Akron-Canton Dep Con | 118.6 | |
| ILS 110.9 | I-AKR Apch Brg 246° | LOM: 362/AKR |
| (L) BVORTAC | 114.6/ACO 255° | 12.3 NM to fld |
| EDn MHW | 362/AKR 246° | 3.7 NM to fld. |
| Remarks: LOM is MHW. | | |
| §AKRON-CANTON IFR | 10SE | FSS: AKRON |
| 1228 H56/1-19(4) | (S-100, T-135, TT-210) BL4,6,11 S5 F5, JP1 | |
| DT2 RVV: Rwy 1 | REIL: Rwy 23 | |
| Remarks: Down drafts or turbulence frequently encountered apch end rnwys 5, 23, 32 when wind velocity exceeds 15 knots. | | |
| Ctc twr prior entering ILS apch zone; avoid t/c path of Akron Muni arpt. | | |
| Tower | 126.2 122.5R 118.3 109.5T | Gnd Con 121.7 |
| Radar Services: (BCN) | | |
| App Con | 125.5 126.2 122.5R 109.5T | |
| Dep Con | 118.6 | |
| ASR Rnwys 1, 5, 9, 14, 19, 23, 27, 32 | Ceil 400 | |
| Vsby 1 mi | Min Alt 1628 | |
| ILS 109.5 | I-CAK Apch Brg 006° | LOM: 233/CA |
| Remarks: VOT: 112.0 | | |
| APPLETON (H) BVORTAC | 116.7/APE | FSS: COLUMBUS |
| ATHENS EDn MHW | 206/UOA | FSS: PARKERSBURG |
| ATTICA (L) BVORTAC | 116.9/ATO | FSS: MANSFIELD |
| BELLAIRE (L) BVOR | 111.0/AIR | FSS: WHEELING |
| Remarks: To be BVORTAC May 31. | | |
| BRICKSVILLE EDn MHW | 326/BKI | FSS: CLEVELAND |
| BRIGGS (L) BVORTAC | 112.4/BSV | FSS: AKRON |

OHIO—Continued

| | | |
|---|---|------------------------|
| CHARDON (L) BVORTAC | 109.8/CXR | FSS: CLEVELAND |
| COVINGTON, KY. (CINCINNATI, OHIO) | | |
| §GREATER CINCINNATI IFR | 9SW Cincinnati | FSS: CINCINNATI |
| 890 H86/18-36(3) | (S-179, T-283, TT-500) BL4,6,8A,9,11 S5 | |
| F5 REIL: Rwy 27 | | |
| Remarks: Rwy 4-22 clsd to acft over 48,000 lbs. Fee. | | |
| Cincinnati Tower | 118.3 126.2 122.7R | Gnd Con 121.7 |
| Cinc Del | 121.3 | |
| Radar Services: | | |
| Cincinnati App Con | 124.7 126.2 122.7R 119.7 | |
| Cincinnati Dep Con | 121.0 | |
| ASR Rnwys 4, 9, 18, 36 | Ceil 400 Vsby 1 mi | Min Alt 1290. |
| Rnwys 22, 27 | Ceil 700 Vsby 1 mi | Min Alt 1590 |
| ILS 109.9 | I-CVG Apch Brg 360° | LOM: 287/CV |
| 111.5 I-SIC | Apch Brg 180° | LOM: 351/S1 |
| Cincinnati (L) BVORTAC | 112.9/CVG 043° | 2.3 NM to fld |
| VHF/DF | available, contact tower or radar | |
| Remarks: VOT: 108.4. | | |
| §CINCINNATI MUNI-LUNKEN FLD IFR | 3SE | FSS: CINCINNATI on Fld |
| 488 H61/2R-20L(4) | (S-55, T-75 TT-167) BL4,6,8A,9 S5 F4, JP4 | |
| U2 | | |
| Remarks: Rwy 2L threshold displaced 900' NE from end full width pavement. 4794' avbl Indg rwy 2L; tkoff rwy 20R. 4984' avbl Indg 20R; tkoff rwy 2L. Rwy 15 threshold displaced 700' SE. 3334' avbl Indg rwy 15; tkoff rwy 33. 4034' avbl tkoff rwy 15, Indg rwy 33. | | |
| Lunken Tower | 126.2 122.5R 118.7 | Gnd Con 121.9 |
| Radar Services: | | |
| Cincinnati App Con | 119.7 126.2 124.7 122.7R | |
| Cincinnati Dep Con | 121.0 | |
| ILS 111.1 | I-LUK Apch Brg 201° | LOM 379/MDE |
| Cincinnati Rng SABRAZ | 335/LUK 227° | 4.3 NM to fld |
| Remarks: LOM is Madeira RBn. | | |
| CLEVELAND | | |
| §BURKE LAKEFRONT | Adj N | FSS: CLEVELAND (DL) |
| 584 H52/6-24(1) | (S-31, T-37, TT-55) BL 6 S5 F4, JP1 | |
| U2 DT2 | | |
| Remarks: Fee. Rgt t/c rwy 24. | | |
| Lakefront Tower ² | 126.2 122.5R 120.9 | Gnd Con 121.9 |
| Radar Services: | | |
| Cleveland App Con | 124.0 ¹ 122.7R 118.5 ³ | |
| Cleveland Dep Con | 121.0 | |
| Remarks: ¹ 270°-089° ² 090°-269° ³ Oper 1100-0300Z. | | |
| §CLEVELAND-HOPKINS INTL IFR | 9SW AOE | FSS: CLEVELAND on Fld |
| 792 H90/5R-23L(5) | (S-54, T-78, T-126)* BL4,6,8A,9,10,11 S5 | |
| F5, JP1 U2 DT2 VASI: Rwy 23R | RVR: Rwy 5R, 27 | |
| REIL: Rwy 36L. | | |
| Remarks: *(S-125, T-188, TT-338) avbl rwy 9-27. Rwy 23L apch restricted by fence. | | |
| Cleveland Tower | 119.9 126.2 122.7R | Gnd Con 121.7 |
| §Cinc Del | 127.4 | |
| Radar Services: | | |
| Cleveland App Con | 124.0 ¹ 122.7R 118.5 ³ 110.7T | |
| 109.9T | Cleveland Dep Con 121.0 | |
| ASR Rnwys 5L, 18L, 23R, 36R | Ceil 500 Vsby 1½ mi | Min Alt 1292. |
| Rnwys 5R, 9, 18R, 23L ⁴ , 27, 36L | Ceil 400 Vsby 1 mi | Min Alt 1192. |
| ILS 109.9 | I-CLE Apch Brg 055° | |
| 110.7 | I-CEE ⁵ Apch Brg 278° | LMM: 244/EE |
| Cleveland (H) BVORTAC | 113.6/CLE 081° | 13.9 NM to fld |
| Cleveland EDn H-SAB | 344/CLE 070° | 0.8 NM to fld |
| VHF/DF available, contact tower | | |

OHIO—Continued

Remarks: '270°-089° '090°-269°. 'ILS unusable below 1030' MSL due to crs roughness. 'Apch maintain at least 1600' until within 4 mi runway. VOT: 110.4.

CLINTON (T) VOR 113.2/ILN FSS: DAYTON
RBn MHW 219/ILN

§COLUMBUS, PORT COLUMBUS INTL IFR 6E

FSS: COLUMBUS on Fld

816 H107/10R-28L(5) (S-100, T-200, TT-370)* BL4,6,8A,9,11
S5 F5, JP1, JP4 U2 RVR: Rnwys 10L, 28R REIL: Rnwys 10R, 28R.

Remarks: *(S-180, T-200, TT-400) avbl runway 10L-28R.

Due non-vsbys some areas of fld, etc twr.

Tower 126.2 121.1 109.1T 3023.5R Gnd Con 121.9

Circl Del 121.3

Radar Services: (BCN)

App Con 119.0 126.2 125.4 122.5R 109.5T 3023.5R

Dep Con 120.5 126.2

ASR 'Rnwys 10R, 10L, 19, 23, 28R, 28L, 31 Ceil 500

Vsby 1 mi Min Alt 1316.

Rnwys 1, 5 Ceil 600 Vsby 1 mi Min Alt 1416.

ILS¹ 109.1 1-CBP Apch Brg 096° LOM: 271/CB

109.5 1-CMH¹ Apch Brg 276° LOM: 245/CM

VHF/DF available, contact tower

RBn BH 391/CMH 070° 1.0 NM to fld

Remarks: 'Front crs unusable above 4000' MSL beyond 11 NM.

'ASR apchs unavbl til June.

VOT: 111.0

CUYAHOGA RBn MHW 275/CUC FSS: CLEVELAND

DAYTON

§JAMES M COX-DAYTON MUNI IFR 9N FSS: DAYTON on Fld

1008 H70/6-24(2) (S-126, T-170, TT-354) BL4,6,8A,9,11 S5

F5, JP1 U2 RVR: Rnwy 6 REIL: Rnwy 24

Remarks: P-line SE. 1096' TV twr 10NM S.

Dayton Tower 119.5 126.2 122.5R Gnd Con 121.9

Circl Del 125.2

Radar Services: (BCN)

Dayton App Con 118.0 122.7R 111.6T 110.3T

Dayton Dep Con 119.9

ILS¹ 110.3 1-DAY Apch Brg 056° LOM: 356/DA

Dayton (H) BVORTAC 117.5/DAY 131° 10.8 NM to fld.

Remarks: VOT: 110.0. 'Unusable below 1208' MSL.

DEFIANCE RBn MHW 246/DFI FSS: FINDLAY

FINDLAY (L) BVOR-DME 108.2/FDY FSS: FINDLAY

RBn BMH 209/FDY

FREMONT RBn MHW 394/FRO FSS: FINDLAY

Remarks: Pvt Facility.

GILBERT RBn MHW 378/GIL FSS: CLEVELAND

HAMILTON RBn MHW 260/HAO FSS: CINCINNATI

HUBBARD RBn MHW 408/HBD FSS: YOUNGSTOWN

JEFFERSON (L) BVORTAC 115.2/JFN FSS: YOUNGSTOWN

LIMA (T) BVOR 116.0/LIA FSS: FINDLAY

LOCKBOURNE AFB (T) VORW 113.8/LCK FSS: COLUMBUS

LUNKEN RBn MHW 248/LKA FSS: CINCINNATI

MADEIRA RBn MHW 379/MDE

§MANSFIELD MUNI IFR 3N FSS: MANSFIELD on Fld

1296 H90/14-32(2) (S-75, T-100, T-) BL4,6 S5

F4, JP4 U2 RVR: Rnwy 32

Tower 119.3 122.5R 110.5T Gnd Con 121.9

App Con 124.7 122.5R 110.5T 108.8T

ILS 110.5 1-MFD Apch Brg 320° LOM: 374/MF

(L) BVORTAC 108.8/MFD 130° 3.5 NM to fld.

RBn MHW 374/MF 320° 4.0 NM to fld.

Remarks: LOM is MHW.

OHIO—Continued

MARION RBn MHW 230/MNN FSS: MANSFIELD

MIDDLETOWN RBn MHW 239/MWO FSS: DAYTON

MONTGOMERY CO. (T) VORW 110./MGY FSS: DAYTON

NEWCOMERTOWN (L) BVOR 111.8/CTW FSS: ZANESVILLE

PATTERSON (T) VOR 111.6/FFO FSS: DAYTON

RBn MHW 326/CSV

ROSEWOOD (L) BVORTAC 112.8/ROD FSS: DAYTON

SANDUSKY (L) BVORTAC 109.2/SKY FSS: CLEVELAND

§SPRINGFIELD MUNI IFR S5 FSS: DAYTON (LC FA 2-4562)

1049 H90/5-23(3) (S-190, T-200, TT-380) BL4 S5

F4, JP4

Remarks: 150' asphalt blast pad and 850' asphalt overrun each

end.

Tower² 120.7 126.2 Gnd Con 121.7

Radar Services: (BCN)

Dayton App Con¹ 118.4 Dayton Dep Con 118.4 134.1

RBn MHW 341/SGH 235° 2.6 NM to fld.

Remarks: 'All IFR flt Indg this area call Dayton App Con.

²Oper 1245-2130Z, clsd holidays.

STADIUM RBn MHW 226/SUM FSS: CLEVELAND

STRONGVILLE (L) BVOR 108.4/STG FSS: CLEVELAND

TIPP CITY RBn MHW 212/TPC FSS: DAYTON

TIVERTON (L) BVOR 116.5/TVT FSS: MANSFIELD

§TOLEDO EXPRESS IFR 9SW FSS: FINDLAY (LC 242-4171)

684 H87/7-25(2) (S-107, T-163, TT-287) BL5,6,8A,9 S5

F5, JP1, JP4 U2 RVR: Rnwy 7

Toledo Tower 118.1 126.2 122.5R 109.7T

Toledo Gnd Con 121.9

Radar Services: (BCN)

Toledo App Con 126.9 128.0 122.5R 113.1T 109.7T

Toledo Dep Con 119.2

ASR Rnwys 16, 25, 34 Ceil 400 Vsby 1 mi Min Alt 1084.

Rnwy 7 Ceil 500 Vsby 1 mi Min Alt 1184

ILS 109.7 1-TOL Apch Brg 069° LOM: 219/TO

WATERVILLE (L) BVORTAC 113.1/VWV FSS: TOLEDO

WILLOUGHBY

§LOST NATION IFR 2 N FSS: CLEVELAND (DL)

626 H50/9-27(3) BL4,11 S5 F4,JP4 DT2 REIL: Rnwys 5, 27

Remarks: Fee. P-lines E, S, W.

Tower² 120.7 122.5R

Radar Services:

Cleveland App Con 124.0¹ 122.7R 118.5²

Cleveland Dep Con 121.0

Lost Nation (T) VOR 110.2/LNN at fld

Lost Nation RBn MH 263/LNN at fld

Remarks: '270°-089° '090°-269° 'Oper 0230-1430Z.

§YOUNGSTOWN MUNI IFR 10 N FSS: YOUNGSTOWN on Fld

1196 H75/14-32(3) (S-116, T-160, TT-270) BL4, 6, 8A, 9

S5 F4 TP1 U2 RVR: Rnwy 32

Remarks: Rnwy 9-27 runway lghts inop.

Tower 119.5 126.2 122.5R Gnd Con 121.9

App Con 118.0 126.2 122.5R 110.1T

ILS 110.1 1-YNG Apch Brg 320° LOM: 338/YN

(L) BVOR-DME 109.0/YNG 183° 4.1 NM to fld.

VHF/DF available, contact tower.

ZANESVILLE (L) BVORTAC 111.4/ZZV FSS: ZANESVILLE

RBn BMH 275/ZZV

OKLAHOMA

ALTUS (L) VORW 109.8/LTS

RBn HW 410/LTS

FSS: HOBART

OKLAHOMA—Continued

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|---|----------------------------------|
| ARDMORE (L) BVORTAC 116.7/ADM | FSS: ARDMORE |
| RBn BMH 400/ADM | |
| BARTLESVILLE (L) BVORTAC 117.9/BVO | FSS: TULSA |
| CLINTON (L) VOR 111.2/CSM | FSS: HOBART |
| RBn MHW 320/CSM | |
| DUNCAN (L) BVOR 111.0/DUC | FSS: ARDMORE |
| GAGE (H) BVORTAC 115.6/GAG | FSS: GAGE |
| HENRY POST RBn MHWZ 308/PFL | |
| HOBART (L) BVOR 111.8/HBR | FSS: HOBART |
| KINGFISHER (L) BVORTAC 114.2/IFI | FSS: OKLAHOMA CITY |
| §LAWTON MUNI IFR 2 S | FSS: WICHITA FALLS (LC EL5-1323) |
| 1109 H54/17-35(1) (S-50, T-75, TT-135) BL4 S5 F5 JPI U-2 | |
| Remarks: P-line, ant NE | |
| Tower ¹ 119.9 122.5R | Gnd Con 121.9 |
| Fort Sill App Con 118.6 122.7R | |
| Fort Sill Dep Con 118.6 | |
| Tfc Info Ctc Fort Sill App Con 118.6 122.5R | |
| ASR Rnwy 35 Ceil 400 Vsby 1 mi Min Alt 1509 | |
| (L) BVOR 108.2/LAW 347° 4.1 NM to fld | |
| Remarks: ¹ Oper 1230-0430Z. | |
| McALESTER (L) BVORTAC 112.0/MLC | FSS: McALESTER |
| MUSKOGEE RBn MHW 306/MKO | FSS: TULSA (DL) |
| OKLAHOMA CITY | |
| §WILEY POST IFR 7 NW | FSS: OKLAHOMA CITY on Fld |
| 1303 H54/17-35(3) (S-15, T-20, TT-30) BL4 S5 F4, JP4 U2 | |
| Remarks: Rgt tlc rnwys 12 and 17. 1596' (2749' MSL) twr 7.5 NM ENE. 1563' (2726' MSL) twr 7 NM E. 1572' (2726' MSL) twr 7.5 NM E. | |
| Tower ¹ 119.7 122.5R | Gnd Con 121.7 |
| Radar Services: (BCN) | |
| Oklahoma City App Con 119.3 134.1x 122.5R 120.5 115.0T | |
| Oklahoma City Dep Con 121.1 | |
| Remarks: ¹ Oper 1200-0400Z. | |
| §WILL ROGERS WORLD IFR 6W | FSS: OKLAHOMA CITY (DL) |
| 1284 H98/17R-35L(4) (S-120, T-160, TT-) BL4,6,8A,9,10,11 | |
| S5 F5, JPI, JP4 U2 VASI: Rnwy 17 REIL: Rnwy 12 RVR | |
| Rnwy 35L | |
| Remarks: Rgt tlc rnwys 12, 17R, 21. Rnwy 3-21 and txy (C-1) W side rwy 3 restricted to 15000 lbs or less. 1572' (2726' MSL) twr 10 NM NE. 1563' (2726' MSL) twr 10.5 NM NNE. 1596' (2749' MSL) twr 11 NM NNE. Due non-vsby some area of fld, ctc twr. | |
| Tower 118.3 126.2R 122.7R 109.9T | Gnd Con 121.9 |
| Radar Services: (BCN) | |
| Oklahoma City App Con 119.3 134.1x 122.5R 120.5 115.0T | |
| Oklahoma City Dep Con 121.1 | |
| ASR Rnwy 17, 35 Ceil 400 Vsby 1 mi Min Alt 1684 | |
| ILS ¹ 109.9 I-OKC Apch Brg 351° LOM: 219/OK | |
| Oklahoma City (H) BVORTAC 115/OKC 098° 8.1 NM to rwy 12 | |
| Oklahoma City RBn H-SAB 350°/OKC 092° 1.6 NM to fld | |
| Remarks: ¹ Glide slope unusable below 1417' MSL. VOT: 108.8 | |
| OKMULGEE (L) BVOR 112.2/OKM | FSS: TULSA |
| OWASSO RBn MHW 317/DW | FSS: TULSA |
| PAGE (L) BVOR 113.5/PGO | CS/T: FORT SMITH |
| PONCA CITY (H) BVORTAC 113.2/PNC | FSS: PONCA CITY |
| RBn BMH 368/PNC | |
| SAYRE (L) BVOR 115.2/SYO | FSS: HOBART |
| STILLWATER (T) BVOR 108.4/SWO | FSS: OKLAHOMA CITY |
| | (LC FR 2-4935) |

OKLAHOMA—Continued

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|---|--------------------|
| TINKER AFB RBn HW 394/TIK | FSS: OKLAHOMA CITY |
| TULAKES RBn MHW 406/TWO | FSS: OKLAHOMA CITY |
| §TULSA INTL IFR 5NE | FSS: TULSA on Fld |
| 674 H100/17L-35R(5) (S-200, T-200, TT-400) BL4, 6, 8A, 9, 10 S5 F5, JPI, JP4 U2 | RVR: Rnwy 35R |
| Remarks: Rgt tlc rnwys 17R, 21R. Rnwy 35L threshold displaced 560' SE end. Rnwy 8 threshold displaced 924' W end. 1175' (2147' MSL) twr 9.5 NM W. Rnwy 21R clsd air carrier ngt opens. 4000' blacktop track 1.5 NM E rwy 26. Do not mistake for rwy. | |
| Tower 118.7 122.5R | Gnd Con 121.9 |
| Clmc Del 121.2 | |
| Radar Services: (BCN) | |
| App Con 119.1 124.0 122.5R 110.3T | Dep Con 120.7 |
| Tfc Info Ctc App Con 25 mi out on 119.1 | |
| ASR Rnwys 17L, 26 ¹ , 35R Ceil 400 Vsby 1 mi Min Alt 1074 | |
| ILS 109.7 I-DWE Apch Brg 175° BC unusable LOM: 317/DW | |
| 110.3 I-TUL ² Apch Brg 355° LOM: 338/TU | |
| (H) BVORTAC 114.4/TUL 260° 4.3 NM to rwy 26 | |
| RBn H-SAB 245°/TUL 220° 0.9NM to fld. | |
| Remarks: ¹ 500-1 required when apch is made until position is estab over 910 stack 3 mi E. ² Front crs unusable above 6600' MSL. BC unusable above 4600' MSL; unusable for automatic apchs. Both systems not operd simultaneously. VOT: 109.0 | |
| §TULSA RIVERSIDE IFR 5S | FSS: TULSA |
| 624 H40/18-36(1) BL4 S5 F4 U2 | |
| Remarks: Due non-vsby some areas of fld, ctc twr. | |
| Tower ² 118.1 122.7R | |
| Remarks: ¹ Oper 1200-0400Z. | |
| WOODRING (T) BVOR 109.0/ODG | FSS: PONCA CITY |

OREGON

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|---|---------------------------|
| ASTORIA (L) BVOR 114./AST | FSS: HOQUIAM |
| BAKER (L) BVORTAC 115.3/BKE | FSS: BAKER |
| CORVALLIS (L) BVOR 108.4/CVO | FSS: EUGENE |
| EUGENE | |
| §MAHLON-SWEET FLD IFR 7 NW | FSS: EUGENE on Fld |
| 365 H55/16-34(2) (S-80, T-120, T-190) BL4, 6, 8A, 9 S5 | |
| F4, JPI U2 DT2 RVV: Rnwy 16 | |
| Eugene Tower 118.9 122.5R | Gnd Con 121.9 |
| Eugene App Con 118.9 122.5R 112.9T 109.5T | |
| ILS 109.5 I-EUG Apch Brg 159° LOM: 227/EU | |
| Eugene (L) BVORTAC 112.9/EUG on fld | |
| JOHN DAY (H) BVOR 115.6/JDA | FSS: BAKER |
| KLAMATH FALLS | |
| §KINGSLEY FLD IFR 4 SE | FSS: KLAMATH FALLS on Fld |
| 4092 H103/14-32(3) (S-100, T-200, TT-380) BL4, 6, 8A, 9 | |
| S5 F4, JPI U2 DT2 | |
| Kingsley Tower 118.5 122.5R 269T | Gnd Con 121.9 |
| Clmc Del 119.4 | |
| Radar Services: (BCN) | |
| Klamath Falls App Con 126.2 122.5R | |
| Klamath Falls Dep Con 124.1 | |
| Tfc Info Ctc App Con | |
| ILS ¹ 109.5 I-LMT Apch Brg 319° LMM: 269/MT | |
| Klamath Falls (L) BVORTAC 115.9/LMT on fld | |
| Klamath Falls RBn MHW 218/LFA 319° 10.5 NM to fld. | |
| Remarks: ¹ Flag activity may be experienced at procedure turn alt beyond 6.5 NM 20° E of cntrlne extended. | |
| LAKEVIEW (H) BVORTAC 112.0/LKV | FSS CS/T: KLAMATH FALLS |
| §MEDFORD MUNI IFR 2 N | FSS: MEDFORD on Fld |
| 1330 H54/14-32(2) (S-80, T-120, TT-180) BL5, 6, 8A, 9, S5 | |
| F4, TP1 U2 DT2 RVV: Rnwy 14 | |

OREGON—Continued

Remarks: Ngt fueling delay and surcharge 1800-0730 lcl time.
Tower 118.3 126.2 122.5R Gnd Con 121.9

App Con 119.8 110.3T 113.6T

ILS¹ 110.3 I-MFR Apch Brg 141° LOM: 394/MF
(H) BVORTAC 113.6/MFR 147° 6.3 NM to Rwy 14.

RBn SBH 263/MFR 161° 2.1NM to fld.

VHF/DF² available, contact tower.

Remarks: ¹ILS not certified for automatic apchs. ²VHF/DF coverage 40 NM at MEA excp 360-015°, 9000'; 015-030°, 10,000'; 030-057°, 11,000'; 120-210°, 13,500'; 315-350°, 8000'; 350-360°, 8500'; 057-075°, 30 NM at 11,000'; 075-120°, 30 NM at 13,500'; 210-225°, 30 NM at 12,000'; 225-250°, 30 NM at 10,500'.

NEWBERG (H) BVORTAC 117.4/UBG FSS: PORTLAND

NEWPORT (H) BVORTAC 117.1/ONP FSS: EUGENE

NORTH BEND (L) BVORTAC 112.1/OTH FSS: NORTH BEND
RBn MHW 236/OBN

ONTARIO RBn MHW 305/ONO FSS: BOISE

SPENDLETON MUNI IFR 2 NW FSS: PENDLETON on Fld
1493 H63/7L-25R(4) (S-70, T-100, TT-170) BL4, 6, 8 S5
F4 U2 DT2 RVV: Rwy 25

Remarks: Rwy 25L threshold displaced 821'W. 2029' avbl
Indg rwy 25L, 7R-25L dalgt operns only lgt planes.

Tower 118.7 122.5R 278Tx Gnd Con 121.9

App Con 118.7 114.7T 341T

ILS 110.3 I-PDT Apch Brg 250° LOM: 236/PD

(H) BVORTAC 114.7/PDT 073° 3.6NM to fld.

RBn SABH 341°/PDT 259° 1.7 NM to fld

PORTLAND INTL IFR 4 NE FSS: PORTLAND on Fld
26 H88/10R-28L(3) (S-100, T-200, TT-400) BL5, 6, 8A, 9
S5 F5, JP4 U2 DT2 RVV: Rwy 10R, 28R

Tower 118.7 126.2 122.7R Gnd Con 121.9

Clrc Del 119.0

Radar Services: (BCN)

App Con 118.1² 126.2 122.7R 119.8³ 109.9T

Dep Con 124.9

Tfc Info Ctc App Con

PAR Rwy 10R Ceil 200 Vsby 1/2 mi Min Alt 226

ASR Rwy 10R¹, 28R Ceil 700 Vsby 1 mi Min Alt 726

Rwy 20 Ceil 800 Vsby 1 mi Min Alt 826

ILS 109.9 I-PDX Apch Brg 098° BC restricted LMM: 201/DX

111.3 I-IAP Apch Brg 278° LOM: 383/IA

(H) BVORTAC 116.6/PDX 159° 9.2 NM to fld.

Rng SABH 332°/PDX 155° 2.9 NM to fld.

VHF/DF available, contact tower.

Remarks: ¹Min alt over 3 mi radar fix inbnd on final 900.

²070-289°. ³290-069°. VOT: 111.0.

PORTLAND-TROUTDALE IFR Adj NW FSS: PORTLAND (DL)
36 H46/7-25(1) (Max 20) 9L 4 S5 F4 U2 DT2

RVV: Rwy 7

Remarks: Rwy 7 threshold displaced 400' E. 4241' avbl Indg

rwy 7. Rwy 25 threshold displaced 500'W. 4141' avbl Indg

rwy 25.

Troutdale Tower³ 120.5 122.5R Gnd Con 121.7

Radar Services:

Portland App Con 118.1¹ 119.8²

Portland Dep Con 124.9

Remarks: ¹070-289° ²290-069°. ³Oper 1500-0700Z.

REDMOND (L) BVORTAC 117.6/RDM FSS: REDMOND
RBn H-SAB 368°/RDM

ROME (H) BVORTAC 112.5/REO FSS: BAKER

OREGON—Continued

ROSEBURG (L) BVOR 108.2/RBG FSS: EUGENE CS/T

SALEM-MCNARY FLD IFR 1 SE FSS: PORTLAND (DL)

207 H58/13-31(2) (S-50, T-60, TT-110) BL4, 6 S5 F4

U1 DT2 RVV: Rwy 31

Remarks: Rwy 16-34 unlgtd clsd daily from 30 mins before SS
til 30 mins after SR and when wea is below VFR mins.

ILS¹ 110.3 I-SLE Apch Brg 309° LOM: 266/SL

Remarks: ¹Non FAA monitored.

SAUVIES ISLAND RBn MHW 219/SVY FSS: PORTLAND

THE DALLES (H) BVORTAC 117.2/DLS FSS: THE DALLES

PENNSYLVANIA

ALLENTOWN-BETHLEHEM-EASTON IFR 3 NE FSS: ALLENTOWN on Fld

388 H62/6-24(4) (S-55, T-76, TT-125) BL4,6,8A,9 S5

F5 U2 DT2 RVV: Rwy 6

Remarks: 5210' avbl Indg rwy 24. Rwy 14-32 open for ngt
open 2415' btn threshold lgts plus 175' of pavement SE of
rwy 32 threshold lgts. Threshold lgts apch and rwy 32
offset to sides.

Allentown Tower 120.5 122.5R 223T Gnd Con 121.9

Clrc Del 121.9

Allentown App Con 118.2 122.5R 117.5T 110.7T 321T

ILS 110.7 I-ABE Apch Brg 061° LOM: 400/AB

Allentown (L) BVORTAC 117.5/ABE 180° 4.1 NM to fld

Allentown Rng SBMAZ 321/AE 195° 2.5 NM to fld.

ALTOONA (T) BVOR 108.8/AOO FSS: ALTOONA

AMBLER RBn MHW 275/ING FSS: N. PHILADELPHIA

Remarks: State owned.

BRADFORD (L) BVORTAC 116.6/BFD FSS: BRADFORD

RBn BMH 224/BFD

BUTLER RBn MHW 375/BTP FSS: PITTSBURGH

CARROLLTOWN (L) BVOR-DME 110.6/CLN FSS: ALTOONA

CLARION (L) BVOR 112.9/CIP FSS: DU BOIS

COATESVILLE RBn MHW 262/CVE FSS: N. PHILADELPHIA

CREEK RBn MHW 219/CRK FSS: PITTSBURGH

CRYSTAL LAKE RBn (MHW) 392/CYE FSS: WILKES-BARRE

DU BOIS RBn BH 356/DUJ FSS: DU BOIS

EAST TEXAS (L) BVOTAC 110.2/ETX FSS: ALLENTOWN CS/T

ELLWOOD CITY (H) BVORTAC 115.8/EWC FSS: PITTSBURGH

ERIE

PORT ERIE IFR 5 SW FSS: ERIE on Fld

732 H50/6-24(3) (S-75, T-115, TT-) BL4, 6, 8A, 9, 11

S5 F4, JP1 U2 DT2 RVV: Rwy 6 REIL: Rwy 24

Erie Tower 118.1 122.5R 110.3T (118.4)¹ Erie Gnd Con 121.9

Erie App Con 119.0 122.5R 110.3T

ILS 110.3 I-ERI Apch Brg 060° BC unusable LOM: 349/ER

Erie (H) BVORTAC 112.7/ERI 060° 6 NM to rwy 6.

Erie RBn MHW 372/ERI 240° 3.6 NM to rwy 24.

Remarks: ¹For App/Dep Con for Bradford, McKean Co Arpt Pa.

and Jamestown Arpt N.Y. only.

FITZGERALD (L) BVOR 112.0/FTZ FSS: DUBOIS

FRANKLIN (T) BVOR 109.6/FKL FSS: YOUNGSTOWN

RBn MHW 233/FKL

HARRISBURG-YORK STATE IFR 3 S FSS: HARRISBURG on Fld

347 H50/8-26(3) (S-65, T-105, TT-185) BL4, 6, 8A, 9 S5

F4, JP1 U2 RVV: Rwy 8

Remarks: Rgt tlc rwy 20 & 26.

Harrisburg Tower 119.5 126.2 122.5R 109.1T

Gnd Con 121.9

PENNSYLVANIA—Continued

Radar Services: (BCN)

Harrisburg App Con 124.1 126.2 122.5R 109.1T

Harrisburg Dep Con 118.8

ASR Rnws 8, 30 Ceil 1100 Vsby 2 mi Min Alt 1447.

Rnwy 26 Ceil 600 Vsby 1½ mi Min Alt 947

ILS 109.1 I-HAR Apch Brg 079° BC unusable LOM: 219/HA

Harrisburg (L) BVORTAC 112.5/HAR 108° 7.5 NM to fld.

Harrisburg Rng SBMRAZ 338/HR 118° 0.9 NM to fld.

HAZELTON (T) BVOR 109.4/HZL FSS: WILKES BARRE

 RBN MHW¹ 212/HZL

 Remarks: ¹Oper 1200-2400Z by City.

IMPERIAL (L) BVORTAC 109.4/IRL FSS: PITTSBURGH

INDIANA RBN MHW 242/INP FSS: ALTOONA

INDIAN HEAD (L) BVOR-DME 108.6/IHD FSS: MORGANTOWN

Remarks: To be (L) BVORTAC April 15.

JOHNSTOWN (L) BVORTAC 113.0/JST FSS: ALTOONA

KEATING (L) BVOR 114.7/ETG FSS: PHILIPSBURG

§LANCASTER IFR 5N FSS: HARRISBURG (LC 392-0881)

403 H50/8-26(2) (S-77, T-107, TT-) BL4, 11 S5 F4 DT2

REIL: Rnwy 8

Remarks: Use rnws

 Tower¹ 120.9 122.7R Gnd Con: 121.7

Tfc Info: Ctc Harrisburg App/Dep Con

(UBVOR 117.3/LRP

Rbn MHW 326/LRP

 Remarks: ¹Oper 1200-0400Z.

LATROBE (T) VORW 108.2/LBE FSS: PITTSBURGH

MCKEESPORT RBN MHW 287/MKP FSS: PITTSBURGH

MILTON (L) BVORTAC 109.2/MP FSS: WILLIAMSPORT

PARKWAY RBN MHW 302/PB FSS: PITTSBURGH

PHILADELPHIA

§NORTH PHILADELPHIA IFR 10 NE FSS: N. PHILADELPHIA on Fld

120 H50/6-24(2) (S-120, T-200, TT-) BL4, S5 F4, JP1 U2 DT2

Remarks: P-line SW.

Tower 121.3 126.2 122.5R 112.0T Gnd Con 121.9

Radar Services:

 Philadelphia App Con 127.2¹ 123.8² 122.7R

 Philadelphia Dep Con 119.0¹ 128.55²

North Philadelphia (T) BVOR 112.0/PNE at fld.

North Philadelphia RBN MHW 343/PNE 238° 2.4 NM to fld.

 Remarks: ¹270-089° ²090-269°

§PHILADELPHIA INTL IFR 5 SW FSS: N. PHILADELPHIA (DL)

14 H95/9-27 (3) (S-120, T-200, TT-400) BL4, 6, 8A, 9 S5

F5, JP1, JP4, JP5 U2 DT2 RVR: Rnwy 9

Remarks: Fence E, NE. Constrn vcnly rnw 27.

Tower 118.5 122.7R Gnd Con 121.9

‡Clmc Del 127.7

Radar Services: (BCN)

 App Con 127.2¹ 123.8² 122.7R

 Dep Con 119.0¹ 128.55²

 PAR ²Rnwy 9 Ceil 200 Vsby ½ mi Min Alt 214

ASR Rnws 9, 17, 27, 35 Ceil 500 Vsby 1 mi Min Alt 514

ILS 109.3 I-PHL Apch Brg 085°. BC unusable. LOM: 237/PH

VHF/DF available, contact tower.

 Remarks: ¹270-089° ²090-269° ³Radar monitoring of instrument apchs only at pilot's request. VOT: 111.0.

PHILIPSBURG (H) BVORTAC 115.5/PSB FSS: PHILIPSBURG

RBN MHW 236/PSB

PICTURE ROCKS RBN MHW 344/PIX FSS: WILLIAMSPORT

PENNSYLVANIA—Continued

PITTSBURGH

§ALLEGHENY COUNTY IFR 4 S FSS: PITTSBURGH on Fld

1252 H55/9-27(3) (S-70, T-120, TT-210) BL6, 8A, 9, 11

S5 F4, JP1 U2 DT2 REIL: Rnwy 9, 23 and 30

Remarks: 1066' (2049' MSL) twr 7.5 NM SE.

Tower 121.1 126.2 122.5R 109.1T Gnd Con 121.7

Radar Services: (BCN)

 Pittsburgh App Con 124.15¹ 134.1 122.7R 118.7²

Pittsburgh Dep Con 125.9

ILS 109.1 I-AGC Apch Brg 275° BC unusable LMM: 201/GC

(H) BVORTAC 117.1/AGC 052° 6.4 NM to fld

RBN H-SAB 254°/AGC 082° 2.0 NM to fld

 Remarks: ¹270-089° ²090-269°

§GREATER PITTSBURGH IFR 12 NW FSS: PITTSBURGH (DL)

1203 H105/10L-28R(4) (S-120, T-200, TT-400)

BL4, 6, 8A, 9, 10, 11, 14, 15 S5 F5, JP1, JP4 DT2 VASI: Rnwy

28L RVR: Rnws 10L, 28R, 28L REIL: Rnwy 32

Remarks: Fee. Steep drop-off apch end rwy 28. Rnwy 28L

threshold displaced 491' W. 7509' avbl Indg rwy 28L.

US Customs Indg rts arpt.

Pittsburgh Tower 119.1 126.2 122.7R 110.3T

‡Clmc Del 121.3

Gnd Con 121.9

Radar Services: (BCN)

 Pittsburgh App Con 118.7² 134.1 122.7R 124.15¹

Pittsburgh Dep Con 125.9

Tfc Info Ctc Radar App Con on 124.15 when approaching from NW & NE, and on 118.7 from SE & SW.

 PAR² Rnwy 28L Ceil 200 Vsby ½ mi Min Alt 1368

ASR Rnws 5,14,23,28R,32 Ceil 500 Vsby 1 mi Min Alt 1703

Rnwy 10L, 10R, 28L Ceil 400 Vsby 1 mi Min Alt 1603.

ILS 110.3 I-GPB Apch Brg 277° BC unusable LOM: 323/GP

111.7 I-LXB Apch Brg 097° BC unusable LMM: 365/XB

VHF/DF available, contact tower.

 Remarks: ¹270-089° ²090-269°. ³Radar monitoring of instrument apchs only at pilot's request. VOT: 111.2

POTTSTOWN (L) BVORTAC 116.5/PTW FSS: N. PHILADELPHIA

RAVINE (L) BVORTAC 114.6/RAV FSS: HARRISBURG

READING

§GENERAL SPAATZ FIELD IFR 2NW FSS: HARRISBURG (LC 376-3045)

343 H51/18-36(3) (S-30, T-45, TT-175) BL4, 6, 7, 12 S5

F4, JP4 U2 DT2

Remarks: Rgt Ilc rnws 5, 13, and 36.

Reading Tower 119.9 126.2 122.5R 109.5T

Gnd Con 121.9

Reading App Con 119.9 126.2 122.5R 109.5T

ILS 109.5 I-RDG Apch Brg 001° BC unusable LOM: 269/RD

VHF/DF available, contact tower.

ST. THOMAS (L) BVOR 115.0/THS FSS: HARRISBURG

SELINSGROVE (L) BVORTAC 110.4/SEG FSS: WILLIAMSPORT

SLATE RUN (H) BVORTAC 113.9/SLT FSS: BRADFORD

STONY FORK (L) BVORTAC 111.2/SFK FSS: ELMIRA

TANNERSVILLE (L) BVORTAC 114.2/TVE FSS: ALLENTOWN

THORNHURST (L) BVORTAC 112.4/TOH FSS: WILKES BARRE

TIDIOUTE (L) BVORTAC 117.6/TDT FSS: BRADFORD

TOBYHANNA RBN MHW 410/TSD FSS: WILKES BARRE

TYRONE (L) BVORTAC 114.9/TON FSS: PHILIPSBURG

WEST CHESTER (L) BVORTAC 113.2/ESR FSS: N. PHILADELPHIA

§WILKES-BARRE-SCRANTON IFR 9 NE FSS: WILKES-BARRE on Fld

956 H52/4-22 (3) (S-100, T-140, TT-) BL4-6,8A,9 F5, JP4

DT2 RVV: Rnwy 4

PENNSYLVANIA—Continued

Remarks: Rgt tlc runways 10, 16, 22, 28. Lndg fee except for pvt owned acft. Due non vsby some areas of fld, ctr twr.

FAA Dep Proc: Rnwy 16, 22. Right hand tlc pattern.

Wilkes-Barre Tower 120.1 122.5R 109.9T Gnd Con 121.9

Radar Services: (BCN)

Wilkes-Barre App Con 124.5 122.5R 109.9T

Wilkes-Barre Dep Con 126.3

ASR Rnwy 4 Ceil 1000 Vsby 1½ mi Min Alt 1956

Rnwy 10,22 Ceil 900 Vsby 1½ mi Min Alt 1956

ILS¹ 109.9 I-AVP Apch Brg 043° BC unusable LOM: 257/AV

Wilkes-Barre (L) BVORTAC 111.6/AVP 242° 13.5 NM to fld.

Remarks: 'Glide slope unusable from MM to touchdown. Flag indications may be encountered below 4000' MSL beyond 18 NM when more than 15° E of lclzr crs.

§WILLIAMSPORT-LYCOMING CO IFR 4 E FSS: WILLIAMSPORT on Fld 528 H50/9-27 (3) (S-40, T-60, TT-) BL4,6,8A,9 S5 F4, JP1 DT2

Remarks: Flashing amber indicating rgt turns for lndg runways, lctd SW corner of twr. Rnwy 15-33 open to acft 12,500 lbs and under. Rnwy 12-30 (Max-200) Rgt tlc rnwy 33, 27, 30. Pale E. P-line NW. Rnwy 12-30 rnwy lgt inop.

Williamsport Tower 119.1 122.5R

Williamsport Gnd Con 121.9

Williamsport App Con 124.9 122.5R

ILS 110.1 I-IPT Apch Brg 266° BC unusable LMM: 281/PT

Williamsport (L) BVORTAC 114.4/IPT 238° 9.0 NM to fld.

YARDLEY (H) BVORTAC 115.7/ARD FSS: N. PHILADELPHIA

YORK RBN MHW 242/THV FSS: HARRISBURG

RHODE ISLAND

NAVY QUONSET POINT (L) VOR 114.4/NCO FSS: BOSTON

PROVIDENCE

§GREEN IFR 6 S FSS: PROVIDENCE on Fld

56 H54/5R-23L(4) (S-94.5, T-143, TT) BL5,6,8A,9 S5 F5, JP1

U2 DT2 RVV: Rnwy 5R

Remarks: Fee. No mult engine lndgs 5L, no tkofs 23R.

Providence Tower 120.7 126.2 122.5R 109.3T 368T

Gnd Con 121.9

Clrc Del 121.9

Radar Services: (BCN)

Quonset App Con 118.6 134.1 120.1

Quonset Dep Con 124.5 126.2 123.8

ILS 109.3 I-PVD Apch Brg 046° BC unusable LOM: 368/PV

Providence (H) BVORTAC 115.6/PVD at fld.

SOUTH CAROLINA

ALLEDALE (L) BVOR 116.7/ALD FSS: SAVANNAH

ANDERSON (L) BVOR 108.6/AND FSS: ANDERSON

§CHARLESTON AFB/MUNI IFR 9 NW FSS: CHARLESTON on Fld

45 H90/15-33 (2) (S-50, T-155, TT-305) BL4,6,8A,9,10 S5 F5,

JP5 U2 VASI: Runways 15, 21, & 33 RVR: Rnwy 15

Tower 126. 122.5R 121.0 113.5T 109.7T Gnd Con 121.9

Clrc Del 121.7

Radar Services:

App Con 119.3 118.5 113.5T 109.7T

Dep Con 123.9

ASR Runways 3, 15, 21, 33 Ceil 400 Vsby 1 mi Min Alt 445.

PAR Rnwy 3 Ceil 200 Vsby ½ mi Min Alt 245

Rnwy 15 Ceil 400 Vsby ¾ mi Min Alt 445

Rnwy 33 Ceil 400 Vsby 1 mi Min Alt 445

ILS¹ 109.7 I-CHS Apch Brg 149° BC unusable LOM: 329/CH

(H) BVORTAC 113.5/CHS on fld.

RBN H-SAB 329●/CH

Remarks: LOM is H-SAB. VOT: 111.0.

SOUTH CAROLINA—Continued

CHESTERFIELD (L) BVOR 108.2/CTF FSS: FLORENCE

COLUMBIA

§COLUMBIA METROPOLITAN IFR 5SW

FSS: FLORENCE (LC 254-9791)

236 H75/10-28(2) (S-45, T-130, TT-270) BL6, 8A, 9 S5 F5

JP1 U2 RVV: Rnwy 10

Remarks: Rnwy 5-23 (S-45, T-170, TT-320).

Tower 126.2 122.5R 119.5 110.3T Gnd Con 121.9

App Con 118.2 122.5R 114.7T 110.3T

ILS 110.3 I-CAE Apch Brg 107° BC unusable LOM: 356/CA

(H) BVORTAC 114.7/CAE 332° 5.7 NM to fld.

§OWENS FIELD 1SE

FSS: FLORENCE (LC 254-9791)

203 H36/15-33(2) (S-30) L4 S5 F4 U1

Remarks: Rgt tlc SE, NE. Clsd ngts to transient civ acft due unlgtd obstns. P-lines W, SE. Roads NW, NE.

Tower¹ 126.2 122.5R

Columbia App Con 118.2 122.5R 110.3T 227T

Remarks: 'AAS—Oper weekdays 1230-1630Z and 1745-2115Z. Sats 1230-1600Z.

CONWAY RBN HW 269/MTL FSS: FLORENCE

FLORENCE (H) BVORTAC 115.2/FLO FSS: FLORENCE

FORT MILL (L) BVOR 112.4/FML FSS: HICKORY

GREENVILLE

§GREENVILLE MUNI DOWNTOWN IFR 2 E FSS: GREER

1047 H54/18-36 (3) (S-21, T-30, TT-60) BL4,6 S5 F4, JP1 U2

Remarks: Rgt tlc runways 18, 27, 23.

Tower 119.9 126.2 122.5R 109.7T 391T Gnd Con 121.9

Radar Services: (BCN)

App Con 118.0 124.3 122.5R 119.4 109.7T

Dep Con 118.8

ASR Rnwy 18 Ceil 500 Vsby 1 mi Min Alt 1547.

Rnwy 36 Ceil 400 Vsby 1 mi Min Alt 1447.

ILS¹ 109.7 I-GRL Apch Brg 002° BC unusable LOM: 272/GR

Remarks: 'Glide slope unusable below 1347' MSL.

GREENWOOD (L) BVORTAC 114.9/GRD FSS: ANDERSON

GREER

§GREENVILLE-SPARTANBURG IFR 3 S FSS: GREER on Fld

972 H76/3-21 (2) (S-120) BL6,8A,9, 14,15 S5 F5, JP5 U2

RVV: Rnwy 3

Remarks: Fee commercial only.

Greer Tower 120.1 126.2 122.7R 115.7T 109.3T 209T

Gnd Con 121.8

Radar Services: (BCN)

Greenville App Con 118.0 126.2 124.3 122.5R 119.4 109.7T

Greenville Dep Con 118.8

ILS 109.3 I-GSP Apch Brg 033° LOM: 287/GS

MYRTLE BEACH (L) BVOR 116.0/MYR FSS: FLORENCE

SHAW AFB (L) VOR 109.2/SSC FSS: FLORENCE

RBN HW 375/SW

§SPARTANBURG DOWNTOWN MEMORIAL IFR 2SW

FSS: GREER (LC 585-5470)

816 H52/4-22(3) (S-56) BL4, 6 S5 F5, JP1, JP5

Tower¹ 118.3 126.2 122.5R 317T Gnd Con 121.9

Clrc Del 121.9

Radar Services: (BCN)

Greenville App Con 124.3

Greenville Dep Con 118.8

SOUTH CAROLINA—Continued

(H) BVORTAC 115.7/SPA 196° 7.0 NM to rwy 17.
 RBn H-SAB 248°/SPA 068° 1.2 NM to fld.
 Remarks: ¹Oper 1100-0300Z.

VANCE (L) BVOR 110.4/VAN FSS: CHARLESTON

SOUTH DAKOTA

ABERDEEN (H) BVORTAC 113.0/ABR FSS: ABERDEEN

BROOKINGS RBn HW 232/BKX

Remarks: To be in common system.

DU FREE (H) BVORTAC 116.8/DPR FSS: PIERRE

ELLSWORTH (L) BVOR 110.8/RCA FSS: RAPID CITY

HURON

§HOWES MUNI IFR 1NW FSS: HURON on fld

1287 H51/12-30(2) (S-50, T-75, TT-132) BL6,11 S5 F2,4 U1
 REIL: Rwy 12

Remarks: Rwy 17-35 clsd to acft over 3500 lbs; usable length 1875'.

ILS¹ 110.3 1-HON Apch Brg 118° LOM: 302/HO

Huron (L) BVOR 117.6/HON 124° 4.5 NM to fld.

Huron RBn SBH 391/HON 041° 2.4 NM to fld.

LEMMON (T) VOR 111.4/LEM FSS: DICKINSON

Remarks: VFR use only.

MITCHELL (L) BVOR 109.2/MHE FSS: HURON

Remarks: VFR use only.

MOBRIDGE (T) VOR 108.6/MBG

Remarks: Voice 0700-1900. State owned, operd. VFR use only.

PHILIP (L) BVOR 108.4/PHP FSS: PIERRE

PIERRE (L) BVORTAC 112.5/PIR FSS: PIERRE

RBn SHB¹ 347/PIR

Remarks: ¹VFR use only.

§RAPID CITY MUNI IFR BSE FSS: RAPID CITY on fld

3181 H62/14-32(2) (S-63, T-85, TT-140) BL6,11 S5 F4 U2
 JPI REIL¹ Rnws 14, 32.

Remarks: ¹Non FAA approved.

Tfc Info Ellsworth App Con

Tower:¹ 118.7 122.5R Gnd Con 121.9

(H) BVORTAC 112.3/RAP 322° 4.0 NM to fld.

RBn² H-SAB 254/RAP 102° 1.7 NM to fld.

VHF/DF avbl, ctc FSS.

Remarks: ¹Oper 1300-0500Z. ²To be SABH June 23.

SIoux FALLS

§JOE FOSS FIELD IFR 2NW FSS: HURON (DL)

1428 H90/3-21(3) (S-85, T-120, TT-220) BL4,6,8A,9,11 S5
 F5 JPI U2 RVV: Rnws 3, 21 REIL: Rwy 15

Remarks: Rnws clsd acft over 120,000 lbs. 1032' (2442' MSL)
 twr 8 NM SE. Rwy 9-27 clsd acft over 30,000 lbs. First 300'
 rwy 27 unusable tkof. Usable length 5392'. Rwy 9-27 un-
 serviceable for acft over 15 tons.

Foss Tower 118.3 122.5R Gnd Con 121.9

Foss App Con 125.8 122.5R 115.0T 109.9T 245T

Tfc Info Ctc App Con on 125.8

ILS 109.9 1-FSD Apch Brg 026° LOM: 219/F5

Sioux Falls (H) BVORTAC 115.0/FSD 147° 4.1 NM to fld.

Sioux Falls RBn SBH 245/FSD 094° 1.9 NM to fld

WATERTOWN (L) BVORTAC 116.6/ATY FSS: WATERTOWN

WINNER (L) BVOR 112.8/ISD FSS: PIERRE

YANKTON (L) BVOR 111.4/YKN FSS: HURON

TENNESSEE

BOONE RBn HW 221/BON

BRISTOL

§TRI-CITY IFR 12SW FSS: TRI-CITY on fld

TENNESSEE—Continued

1519 H66/4-22(2) (S-95, T-125, TT-215) BL6,8A,9 S5

F5, JPI U2 RVV: Rwy 22

Tower² 119.5 126.2 122.5R 114.6T 109.9T Gnd Con 121.9

Radar Services:

App Con 125.7 118.4 126.2 122.5R 114.6T

Dep Con 119.5 126.2

ILS¹ 109.9 1-TRI Apch Brg 224° BC unusable LOM: 299/TR

ASR Rwy 4 Ceil 600 Vsby 1 mi Min Alt 2119

Rwy 22° Ceil 700 Vsby 1 mi Min Alt 2219

Remarks: ¹Glide slope and lclzr unusable below 2119' MSL.

lclzr unusable above 6000' MSL. ²Oper 1100-0500Z. *Main-

tain 2300' til passing 2.5 mi radar fix on final.

BROOKS RBn MHW 287/ME FSS: MEMPHIS

CHATTANOOGA

§LOVELL FIELD IFR SE FSS: CROSSVILLE (LC 267-5343)

682 H62/2-20(2) (S-90, T-120, TT-) BL4,6,8A,9,10

S5 F5, JPI, JP5 U2 VASI: Rwy 2 RVV: Rwy20

Chattanooga Tower 118.3 119.2 126.2 122.5R 109.5T

Gnd Con 121.9

Radar Services: (BCN)

Chattanooga App Con 119.2¹ 125.1²

Chattanooga Dep Con 119.2¹ 125.1²

Tfc Info Ctc App Con 25NM out on 125.1

ASR Rwy 2 Ceil 400 Vsby 1 mi Min Alt 1082

Rwy 20 Ceil 500 Vsby 1 mi Min Alt 1182

Rwy 32 Ceil 600 Vsby 1 mi Min Alt 1282

ILS 109.5 1-CHA Apch Brg 196° LMM: 201/HA

Chattanooga (H) BVORTAC 115.8/CHA 332° 4.9 NM

to fld

N Chattanooga RBn MHW 341/CQN 196° 7.7 NM to fld.

Remarks: ¹016-196° ²197-015° Glide slope unusable below 882'
 MSL.

CLARKSVILLE (T) BVOR 110.6/CKV FSS: NASHVILLE

CROSSVILLE (L) BVORTAC 117.6/CSV FSS: CROSSVILLE

RBn MHW¹ 375/CMA

Remarks: ¹Operd by City. Unusable beyond 15 NM.

DYERSBURG (L) BVORTAC 116.8/DYR FSS: DYERSBURG

GRAHAM (L) BVOR 111.6/GHM FSS: NASHVILLE

HARDEE RBn MHW 281/MKL

Remarks: Privately owned.

HIGHWAY (L) BVOR 108.4/HIY FSS: CROSSVILLE

HOLSTON MOUNTAIN (L) BVORTAC 114.6/HMV FSS: BRISTOL CS/T

JACKS CREEK (L) BVORTAC 109.4/JKS FSS: JACKSON

KNOXVILLE

§McGHEE-TYSON IFR 11S FSS: KNOXVILLE on fld

989 H90/4L-22R(3) (S-84, T-90, TT-200) BL4,6,8A,9 S5
 F5, JPI U2 RVV: Rwy 4L.

Remarks: Rgt tfc rnws 4R and 22R.

Knoxville Tower 118.7 126.2 122.5R 116.4T 110.3T

Gnd Con 121.9

Radar Services:

Knoxville App Con 123.9 122.5R 116.4T 110.3T

Knoxville Dep Con 120.2

Tfc Info Ctc App Con 25 mi out.

ASR Rwy 4L Ceil 400 Vsby 1 mi Min Alt 1389.

Rnws 18, 22R Ceil 500 Vsby 1 mi Min Alt 1489

ILS 110.3 1-TYS Apch Brg 046° BC unusable LOM: 353/TY

Knoxville (H) BVORTAC 116.4/TYS 222° 6.6 NM to rwy 22R.

Knoxville RBn H-SAB¹ 257/TYS 200° 2.6 NM to fld

VHF/DF available, contact tower.

Remarks: ¹AB 1000-0300Z. VOT: 112.0.

TENNESSEE—Continued

MEMPHIS METROPOLITAN IFR 3S FSS: MEMPHIS on Fld
331 H89/9-27(4) (S-105, T-150, TT-240) BL4,6,8A,9,10,15
SS F5,JP5 U2 VASI: Rnwy 27 RVR: Rnwy 9, 35
Remarks: Rnwys 3-21 & 14-32 (S-100). Rnwy 17-35. (S-110,
T-150, TT-270). 3816' avbl Indg & tkoff both directions rnwy
14-32. 1088' (1340' MSL) twr 9 NM NNE. 1078' (1333' MSL)
twr 10 NM NE. 1077' (1349' MSL) twr 11 NM NE. Touch-
down zone lgt rwy 35.
Tower 126.2 122.5R 118.3 115.5T 110.5T 109.5T
Gnd Con 121.9
Radar Services: (BCN)
App Con 119.1¹ 126.2 125.8² 122.5R 115.5T
110.5T 109.5T Dep Con 119.7
Tfc Info Ctc App Con 25 mi out.
ASR Rnwys 3, 9, 17, 21, 27, 35 Ceil 400 Vsby 1 mi
Min Alt 731
ILS 109.5 I-MEM⁴ Apch Brg 087° LOM: 4287/ME
110.5 I-TSE³ Apch Brg 354° BC unusable LOM: 371/TS⁴
(H) BVORTAC 115.5/MEM 346° 5.4 NM to rnwy 35.
RBN SBH 371/TS 354° 4.7 NM to fld
VHF/DF available, contact FSS
Remarks: ¹077-271° ²272-076° ³Glide slope unusable below
400' MSL. ⁴LOM is Brooks MHW. ⁵LOM is SBH. ⁶Glide slope
unusable below 350' MSL. VOT: 111.0

NASHVILLE METROPOLITAN IFR SSE FSS: NASHVILLE on Fld
597 H80/13-31(3) (S-76, T-130, TT-220) BL4,6,8A,9 SS
F5,JP1 U2 RVV: Rnwy 2L
Remarks: Rnwy 2R-20L-240' overrun N end; 1185' S end; rnwy
2L-20R-1065' overrun S end; rnwy 13-31-1000' overrun SE and
NW end. 1368.5' (2049' MSL) twr 8.5 NM W. 1179' (2049'
MSL) 9 NM NNW.
Berry Tower 126.2 122.5R 119.1 109.9T Gnd Con 121.9
Radar Services: (BCN)
App Con 120.6 124.0 122.5R 109.9T
Dep Con 118.4
Tfc Info Ctc App Con 25 mi out on 120.6.
ASR Rnwys 2L, 13, 20R¹, 31 Ceil 400 Vsby 1 mi
Min Alt 997
ILS 109.9 I-BNA Apch Brg 016° LOM:304/BN
Nashville (H)BVORTAC 114.1/BNA 313° 4.5 NM to fld.
Nashville RBN H-SAB² 304°/BN 016° 5.0 NM to rnwy 13.
VHF/DF available, contact tower
Remarks: ¹Main 1200' til 2 mi from end of rnwy on final to
rnwy 20R. LOM is H-SAB. ²AB 0500-2200. VOT: 112.0.

NORTH CHATTANOOGA RBN MHW 341/CQN FSS: CROSSVILLE
SEWANEE RBN MHW 298/UOS FSS: CROSSVILLE
Remarks: Oper by Univ. of South-Franklin Co.
SEWART RBN HW 391/SY FSS: NASHVILLE
SHELBYVILLE (T) BVOR 109.2/SYI FSS: NASHVILLE
RBN MHW 212/SYI
SNOWBIRD (L)BVOR 108.8/SOT
Remarks: To be comsnd April 28.

TEXAS

ABILENE MUNI IFR 3SE FSS: ABILENE on Fld
1778 H60/17-35(2) (S-70, T-89, TT-145) BL4,6,8A,9 SS
F4 JP1 U2 RVV: Rnwy 35
Remarks: NW-SE taxi used by lgt acft for Indg during high
cross wind conditions. Rgt tlc rnwys 4 & 35. VFR arriving
acft requested ctc ABI App Con 124.1 mc transmitt 122.5 and
receive 124.1 mc 20 mi out.
Tower¹ 120.1 122.7R 110.3T 126.2 Gnd Con 121.9
Radar Services: (BCN)
App Con 124.1 126.5 121.3 134.1 110.3T 113.7T
109.2T Dep Con 125.0

TEXAS—Continued

Tfc Info Ctc App Con 121.3 or trans 122.5 and rcv 121.3 mc
25 mi out
ILS 110.3 I-ABI Apch Brg 350° LOM: 353/AB
(H) BVORTAC 113.7/ABI 102° 9.5 NM to fld.
Remarks: ¹Ops 0600-2300 lcl time.

ALICE (L) BVOR 114.5/ALI FSS: ALICE
AMARILLO AFB/MUNI IFR 8E FSS: AMARILLO on Fld
3605 H135/3-21(2) (S-65, T-330, TT-470) BL6,8A,9,10
SS F5,JP1 U2 VASI: Rnwys 3, 21 RVV: Rnwys 3, 21
Remarks: Rgt tlc rnwy 3. Rectangular tlc pin 5100' MSL.
Overhead tlc pin 5400' MSL. Rnwy 13-31 lmd to 33,000
lbs GWT.
Tower 126.2 122.5R 118.3 Gnd Con 121.9
Radar Services: (BCN)
App Con 121.1 126.2 124.8 122.5R 117.2T 110.3T
Dep Con 119.5
Tfc Info Ctc App Con 25 NM out on 124.8
ASR Rnwys 3, 21 Ceil 400 Vsby 1 mi Min Alt 4005.
Rnwys 13, 31 Ceil 500 Vsby 1½ mi Min Alt 4105
ILS¹ 110.3 I-AMA Apch Brg 035° LOM: 338/AM
(H) BVORTAC 117.2/AMA 210° 4.5 NM to fld.
RBN SABH 251°/AMA 109° 1.3 NM to fld.
Remarks: ¹Glide slope unusable below 3905' MSL. LOM is Trade-
wind MHW.

ANDRAU RBN MHW 269/AAP FSS: HOUSTON
AUSTIN
MUELLER MUNI IFR 2NE FSS: AUSTIN on Fld
631 H73/12R-30L(5) (S-74, T-100, TT-159) BL4,6,8A,9,10 SS
F5,JP5 U2 VASI: Rnwy 12R RVV: Rnwy 30L
Remarks: Rgt tlc rnwys 12R, 16R, 30R & 21. Trees apch rnwy
34L. Rnwy 12R threshold displaced 900' SE. 6400' avbl Indg
rnwy 12R. Rnwy 16R threshold displaced 600' S. 4406' avbl
Indg rnwy 16R. 1137' (2049' MSL) twr 5 NM W. 1199' (2049'
MSL) twr 7 NM W.
Austin Tower 118.3 126.2 122.5R 109.5T Gnd Con 121.9
Radar Services: (BCN)
Austin App Con 124.9 118.8 122.7R 112.5T
Austin Dep Con 120.8
ASR Rnwys 12R, 30L Ceil 400 Vsby 1 mi Min Alt 1031
Tfc Info Contact App Con 25 mi out on 118.8.
ILS 109.5 I-AUS Apch Brg 305° LOM: 353/AU
Austin (H) BVORTAC 112.5/AUS 175° 5.1 NM to fld.
Austin RBN MHW 353/AU 305° 4.8 NM to fld.
Remarks: LOM is MHW.

BEAUMONT-PORT ARTHUR
JEFFERSON CO IFR 9SE FSS: BEAUMONT on Fld
16 H57/11-29(3) (S-65, T-91, TT-170) BL4,6,8A,9,11 SS
F4,JP1 U2 RVV: Rnwy 11 REIL: Rnwy 16
Remarks: (S-83, T-118, TT-212) avbl rnwy 16-34.
Tower 119.5 122.5R Gnd Con 121.9
Beaumont App Con 121.3 122.5R 114.9T
ILS 109.5 I-BPT Apch Brg 114° LOM: 257/BP
Beaumont (L) BVOR 114.9/BPT 057° 4.6 NM to fld.
RBN¹ MHW 368/BEM
Remarks: ¹VFR use only.

BEEVILLE FSS: ALICE
CHASE (NAAS) FLD 4SE
186 H80/13R-31L(3) BL4,6,7
Remarks: Open to civil acft; clsd to acft less than 2600 lbs GWT.
Fee. Hvy jet trng tlc.
Tower: 134.1 126.2
BENBROOK (L) VORW 108.8/BEO FSS: FORT WORTH
BERGSTROM (L) VORW 109.8/BSM FSS: AUSTIN
RBN HW 293/BSM

TEXAS—Continued

| | |
|----------------------------------|-------------------|
| BIGGS RBN HW 400/BIF | FSS: EL PASO |
| BIG SPRING (L) BVOR 114.3/BGS | FSS: MIDLAND |
| RBN SABH 326 /BGS | |
| BORGER (L) BVOR 108.6/BGD | FSS: AMARILLO |
| BRAZOS SANTIAGO RBN HW 314/PIL | CS/T: BROWNSVILLE |
| BRIDGEPORT (L) BVORTAC 116.5/BPR | FSS: FORT WORTH |
| BRITTON (L) BVORTAC 117.0/BRT | FSS: FORT WORTH |

BROWNSVILLE

§RIO GRANDE VALLEY INTL IFR 4E AOE FSS: BROWNSVILLE on Fld 22 H71/13R-31L(6) (S-26, T-50, TT-87) BL4,6,7,8A,9 S5 F5, JP1 JP4 U2

Remarks: Rnwy lgt on req after 2400. Constrn vcnly fld. Brush apch 31L. Trees apch rnwys 31R, 35R. Rnwy 17R-35L: (S-35, T-56, TT-108). Rnwys 8-26 and 4-22 do not meet air carrier standards for day/ngt operns.

Brownsville Tower 118.1 126.2 122.5R Gnd Con 121.9

Brownsville App Con 119.5 126.2 118.1 388T

ILS 110.3 I-BRO Apch Brg 173° LOM: 219/BR

Brownsville (H) BVORTAC 116.3/BRO 242° 2.3 NM to fld.

Brownsville RBN SBH 388/BRO 155° 2.0 NM to fld.

| | |
|------------------------------|----------------|
| BROWNWOOD (T) BVOR 108.6/BWD | FSS: ABILENE |
| BUFFALO (L) VORW 114.7/ARO | FSS: BUFFALO |
| CEDAR HILL RBN MHW 353/CDI | FSS: DALLAS |
| CHASE (H) VOR 116.6/NIR | FSS: ALICE |
| CHILDRESS (L) BVOR 117.6/CDS | FSS: CHILDRESS |
| CLINT (L) BVOR 117.6/CNT | FSS: EL PASO |

COLLEGE STATION

§EASTERWOOD FIELD IFR 2SW FSS: COLLEGE STATION on Fld 319 H51/10-28(3) (S-30, T-40, TT-) BL4 S3 F4 JP1
Remarks: Services offered daltg hrs only. Due non-vyby some areas of fld, ctc twr.

Tower¹ 118.5 126.2 122.5R Gnd Con 121.9

College Station (L) BVOR 113.3/CLL 099° 2.5 NM to rnwy 10.

Remarks: ¹Oper 1200-0400Z.

| | |
|---|---------------|
| CONNALLY RBN MHW 400/CNW | FSS: WACO |
| §CORPUS CHRISTI INTL IFR 5W FSS: ALICE (LC TU 4-5712) | |
| 43 H56/13-31(2) (S-96, T-108, TT-152) BL4,6,8A,9 S5 | |
| F4, TP-1 JP4 U2 RVV: Rnwy 13 | |
| Remarks: Amber flashing lgt for rgt ptn. US Customs-Indg rts arpt 0800-1700 Mon-Fri. Req arrival notice be forwarded to customs when filing flt plan in Canada, Mexico or Cuba. | |
| Tower 120.9 122.5R | Gnd Con 121.9 |
| Radar Services: | |
| App Con 118.3 125.4 122.7R 134.1 | |
| Dep Con 124.8 | |
| ILS 110.3 I-CRP Apch Brg 127° LOM: 393/CR | |
| (H) BVORTAC 115.5/CRP 191° 7.9 NM to fld. | |
| RBN SBH 382/CRP 216° 2.2 NM to fld. | |

| | |
|-------------------------------|--------------|
| COTULLA (L) BVORTAC 115.8/COT | FSS: COTULLA |
| DAISETTA (L) BVOR 110.6/DAS | FSS: HOUSTON |
| DALHART (L) BVORTAC 112.0/DHT | FSS: DALHART |

DALLAS

§ADDISON IFR 9N FSS: DALLAS (LC FL2-8491)
637 H52/15-33(2) BL4 S5 F5, JP1 U2

Remarks: P-line NE.

Tower 121.1 122.7R Gnd Con 121.7

Radar Services:

Dallas App Con 125.8¹ 125.2 119.8² 110.3T

Dallas Dep Con 119.5

TEXAS—Continued

Addison (T) BVOR 111.4/ADS on fld.

Remarks: ¹127°-307° ²308°-126°.

§DALLAS LOVE FIELD IFR 5NW FSS: DALLAS on Fld 485 H88/13R-31L(3) (S-100, T-150, TT-350) BL4,6,8A,9, 10,11,14 S5 F5,JP4 U2 VASI: Rnwy 31R REIL: Rnwy 31R RVR: Rnwy 13L

Remarks: Rnwy 13R-31L limited to tkofs only. US Customs Indg rgt arpt 0030-1430 Mon-Fri, 0030-1630 Sat. Req arrival notice be forwarded customs when filing flt plan in Canada, Mexico or Cuba. Due lgt reflections during hrs darkness ctc twr for restrictions.

Tower 126.2 122.5R 118.7

Gnd Con 121.9

±Clrc Del 121.6

ATIS 120.7

Radar Services:

Dallas App Con 119.8¹ 125.2 125.8² 122.5R 111.4T 110.3T

Dallas Dep Con 119.5

Tfc Info Ctc App Con 25 mi out

PAR ¹Rnwy 13L Ceil 200 Vsby ½ mi Min Alt 685

ASR Rnwys 13, 18, 31¹, 36 Ceil 400 Vsby 1 mi Min Alt 885

ILS¹ 110.3 I-DAL Apch Brg 128° LOM: 371/DA

Dallas (H) BVORTAC 114.6/DAL 220° 15.6 NM to fld.

VHF/DF available, contact tower

Remarks: ¹Maint at least 1400 til 3.5 mi from apch end of rnwy 31 and 1000 til 1.4 mi from apch end of rnwy 31. ²127°-307° ³308°-126° ⁴Glide slope unusable below 677' MSL due roughness. BC unusable for automatic apchs. Acft apch Love field from W and S side of lclzr crs extended should ctc Dallas App Con on 125.8. Acft apchg from N and E side of lclzr crs should ctc Dallas App Con on 119.8. ⁵Radar monitoring of instrument apchs only at pilot's request VOT: 111.0

§RED BIRD IFR 6SW FSS: DALLAS (LC FL2-8491)

659 H44/13-31(2) BL4 S5 F4, JP1 U2

Remarks: 1521' (2349' MSL) twr 7.5 NM SW.

Tower¹ 120.3 122.6R

Gnd Con: 121.7

Radar Services:

Dallas App Con 125.8¹ 125.2 122.5R 119.8² 114.4T 110.3T

Dallas Dep Con 119.5

Remarks: ¹127°-307° ²308°-126° ³Oper 1200-0400Z.

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|--|--------------|
| DUNCANVILLE RBN MHW 287/DCV | FSS: DALLAS |
| DYESS (L) VOR 109.2/DYS | FSS: ABILENE |
| RBN MHW 201/DYS | |
| EAGLE LAKE (L) BVOR 108.6/ELA | FSS: HOUSTON |
| EAGLE MOUNTAIN LAKE (L) VORW 108.4/EWX | |
| ELLINGTON (T) VORW 111.6/EPD | |

§EL PASO INTL IFR 4NE (AOE) FSS: EL PASO on Fld 3956 H120/4-22(3) (S-95, T-156, TT-280) BL4,6,8A,9,11 S5 F5,JP1, JP4 U2 RVV: Rnwy 22 REIL: Rnwy 26

Remarks: Rnwy 4 threshold displaced 1000' NE. 11,000' avbl Indg rnwy 4. Rnwy 17 threshold displaced 395' S. 6606' avbl Indg rnwy 17.

Tower 118.3 126.2 122.5R

Gnd Con 121.9

Radar Services: (BCN)

App Con 118.7 126.2 124.3 122.7R 121.3 119.1 114.5T 112.4T

Dep Con 119.1

ASR Rnwys 22,26 Ceil 400 Vsby 1 mi Min Alt 4356

ILS¹ 109.5 I-ELP Apch Brg 218° LOM: 266/EL

(H) BVORTAC 114.5/ELP 257° 3.8 NM to fld.

RBN H-SAB 242 /ELP 258° 3.2 NM to fld.

Remarks: ¹BC not avbl; overlies Mexico. VOT: 111.0.

TEXAS—Continued

FORT STOCKTON (H) BVORTAC 112.8/FST FSS: WINK

FORT WORTH

§GREATER SOUTHWEST INTL DALLAS-Ft. WORTH FLD IFR 16NE

FSS: FORT WORTH

568 H90/17-35(2) (S-83, T-120, TT-210) BL4,6,8A,9 S3
F5 U2 RVR: Rnwy 13

Remarks: 1074' (1679' MSL) twr 10.5 NM WSW.

Southwest Tower 118.9 126.2 122.7R Gnd Con 121.8

Radar Services:

Fort Worth App Con 118.1 126.2 122.7R 119.6
109.5T 110.6T

Fort Worth Dep Con 123.9 122.7R

Tfc Info Ctc App Con 25 NM out on 118.1

ASR Rnws 13, 17, 31, 35 Ceil 400 Vsbv 1 mi
Min Alt 968

ILS 109.5 I-GSW Apch Brg 129° LOM: 219/GS

Greater Southwest (L) BVORTAC¹ 110.6/GSW at fld.

VHF/DF available, contact tower

Remarks: VOT: 111.8. ¹Wca bchd discontd 2400-0600 excp
forecast.

§MEACHAM FIELD IFR 5N FSS: FORT WORTH on Fld

692 H52/17-35(3) (S-60, T-80, TT-) BL4,6,7,8A,9 S5
F5, JPS U2 RVV: Rnwy 17

Remarks: P-line SE.

Tower¹ 126.2 122.7R 118.3 Gnd Con 121.9

Radar Services:

Fort Worth App Con 119.6 126.2 122.7R 118.1
109.5T

Fort Worth Dep Con 123.9 122.7R

ILS 109.9 I-FTW Apch Brg 174° LOM: 365/FT

Fort Worth Rn H-SAB 365°/FT 174° 3.5 NM to rwy 17

Remarks: ¹Oper 1200-0400Z. LOM is H-SAB. VOT: 108.2.

GALVESTON (L) BVORTAC 112.8/GLS FSS: GALVESTON

Rn H-SAB 206°/GLS

GLAD OAKS MHW 215/ALC

GRAY Rn H 323/GRK FSS: COLLEGE STATION

GREENVILLE

§MAJORS FIELD IFR 4SE FSS: DALLAS

544 H80/17-35(3) (S-26, T-50, TT-) BL4 S5 F4

Remarks: Rgt tlc rwy 17.

Tower¹ 121.3 122.5R Gnd Con 121.7Remarks: ¹Oper 1330-2200Z excp Sat & Sun.

GUTHRIE (L) BVOR 112.4/GTH FSS: CHILDRESS

HARLINGEN (L) BVOR 108.8/HRL FSS: BROWNSVILLE

HOOD (L) VORW 111.8/HLR FSS: COLLEGE STATION

Rn H MHW 347/HLR

HOUSTON

§WILLIAM P HOBBY IFR 8SE FSS: HOUSTON on Fld

48 H76/3-21(3) (S-75, T-107, TT-185) BL4,6,8A, 9, 10 S5
F5, JP4 U2 RVR: Rnwy 3 VAS: Rnwy 12Remarks: US Customs Indg rgt arpt 0800-1700 Mon-Sat, req
arrival notice be forwarded to US Custom when filing flt plan
in Canada, Mexico or Cuba. First 150' pavement adj ends rwnys
12-30, 3-21 not usable for Indgs or taxg acft; usable rwyway
pavement begins 25' beyond green threshold lgts. Soft backfill
along both sides NW/SE rwy.

Tower 118.7 126.2 122.5R Gnd Con 121.9

§Clmc Del: 127.6

ATIS 109.9

Radar Services:

App Con 118.1¹ 126.2 124.5 122.5R 119.1¹ 115.9T

TEXAS—Continued

Dep Con 120.2 126.2

Tfc Info Ctc App Con 25 mi out on 119.1 or 118.1

ASR Rnws 3, 12, 21, 30, 35 Ceil 400 Vsbv 1 mi Min Alt 448

Rnws 17 Ceil 500 Vsbv 1 mi Min Alt 548

ILS 109.9 I-HOU Apch Brg 036° LOM: 251/HO

Houston (H) BVORTAC 115.9/HOU on fld.

Houston Rn H 332/HOU 311° 1.4 NM to fld.

VHF/DF available, contact tower.

Remarks: ¹218°-008° ²009°-217° VOT: 111.0

HUDSPETH (L) VORW 115.0/HUP FSS: EL PASO

HYMAN (L) BVOR 110.4/HYM FSS: MIDLAND

INDUSTRY (L) VOR 110.2/IDU FSS: COLLEGE STATION

JASPER Rn H MHW 344/JAS FSS: LUFKIN

§JOHNSON CITY IFR 10W FSS: AUSTIN

1515 H63/17-35(1) L4,11 F4 U1 REIL: Rnwy 35

Tower¹ 126.2

Radar Services:

Austin App Con 124.9 118.8 122.7R

Austin Dep Con 120.8

Rn H 393/JCY 346° 2 NM to fld.

Remarks: ¹Wca and alt setting avbl when twr is in opem.

JUNCTION (L) BVORTAC 116.0/JCT FSS: SAN ANTONIO

Remarks: Oper 1200-2400Z.

KELLY (L) VORW 113.8/SKF FSS: SAN ANTONIO

Rn H MHW 245/SK

KINGSVILLE (T) VOR 109.6/NQI FSS: ALICE

§LAREDO MUNI IFR 6N (AOE) FSS: COTULLA (LC RA2-3612)

524 H49/15-33(1) (S-25, T-37, TT-) BL4 S3 F4 U1

Remarks: Mil jet tlc advisory service avbl from AFB twr on
122.5R, 118.5T.

VFR ADV Ctc Laredo App Con on 126.2, 122.5R, 118.5T.

(H) BVORTAC 117.4/LRD 316° 9.3 NM to rwy 33.

Rn H 308/LRD

Remarks: ¹Oper 1200-2400Z Mon-Fri.

LAUGHLIN (L) VOR 114.4/DLF FSS: JUNCTION

Rn H 287/DLF

LA VERNIA (L) BVOR 112.0/LVR FSS: SAN ANTONIO

LEONA (L) BVORTAC 110.8/LOA FSS: COLLEGE STATION

LLANO (L) BVOR 108.2/LLO FSS: AUSTIN

LOMETA (L) BVORTAC 117.9/MTA FSS: AUSTIN

LONE STAR Rn H MHW 305/LST FSS: GREGG COUNTY

LONGVIEW

§GREGG COUNTY MUNI IFR 6SE FSS: GREGG COUNTY on Fld

365 H61/17-35(3) (S-75, T-100, TT-) BL4,6 S5 F4

JP1 U2 RVV: Rnwy 13

Tower 119.7 122.5R Gnd Con 121.9

ILS 109.5 I-GGG Apch Brg 127° LOM: 410/GG

Gregg County (L) BVORTAC 112.4/GGG 126° 2.3 NM to
rwy 13.

§LUBBOCK MUNI IFR 4NE FSS: LUBBOCK on Fld

3269 H85/17R-35L(5) (S-90, T-150, TT-250) BL5,6,8A,9

S5 F4,JP1 U2 RVV: Rnwy 17R

Remarks: Rnwy 35L threshold displaced 900' N. 7600' avbl
Indg rwy 35L, 8500' avbl Indg rwy 17R. Clsd to tactical
mil jet acft.

Tower 119.9 126.2 122.5R Gnd Con 121.9

App Con 118.1 126.2 122.5R 110.8T

TEXAS—Continued

Dep Con 118.1
 ILS 109.5 I-LBB Apch Brg 169° LOM: 219/LB
 (L)BVORTAC 110.8/LBB 112° 5.2 NM to Rnwy 12

LUFKIN (H) BVORTAC 112.1/LFK FSS: LUFKIN

MAJORS (L) VOR 110.0/GVT FSS: DALLAS

MARFA (L) BVOR 115.9/MRF FSS: EL PASO

MATAGORDA ISLAND (L) VOR 116.4/MGI FSS: PALACIOS

McALLEN
 §MILLER INTL IFR 2S (AOE) FSS: McALLEN on Fld
 106 H49/13-31(2) BL4,11 S5 F4 JP1 U2 REIL: Rnwy 13
 Remarks: P-line N, S. TV ant NE. Rnwy 31 threshold displaced
 542' NE.
 McAllen Tower 118.9 122.5R Gnd Con 121.9
 Brownsville App Con: 119.5 126.2 118.1
 McAllen (L) BVOR 109.8/MFE on fld
 Remarks: Oper 1200-0400Z.

§MIDLAND AIR TERMINAL IFR 8SW FSS: MIDLAND on Fld
 2870 H83/10-28(4) (S-100, T-128, TT-280) BL4,6,8A,9
 S5 F5,JP2 U2 RVV: Rnwy 10
 Remarks: Rnwy 34L threshold displaced 627' N. 6902' avbl Indg
 rwy 34L. Rnwy 28 threshold displaced 698' NW. 7602' avbl
 Indg rwy 28. Rnwy 4 threshold displaced 1303' NE. 5197' avbl
 Indg rwy 4. 1137' (4049' MSL) twr 10 NM NNW.
 Tower 118.7 126.2 122.5R Gnd Con 121.9
 App Con 121.1 122.5R 114.8T 110.3T
 ILS 110.3 I-MAF Apch Brg 103° LOM: 344/MA
 VHF/DF available, contact FSS.
 (L)BVORTAC 114.8/MAF 181° 3.4 NM to fld.

MINERAL WELLS (H) BVORTAC 117.7/MWL FSS: MINERAL WELLS
 RBn BMH 284/MWL

NAVASOTA (L) BVOR 109.6/TNV FSS: COLLEGE STATION

NAVY CORPUS (L) VOR W 109.6/NGP FSS: PALACIOS
 RBn MHWZ 248/NGP

NEWMAN (L) BVOR 112.4/EWM FSS: EL PASO

PALACIOS (L) BVORTAC 117.3/PSX FSS: PALACIOS

PARIS (L) BVOR 113.6/PRX FSS: DALLAS

PASADENA RBn MHW 245/PDA FSS: HOUSTON

PECOS (L) BVOR 111.8/PEQ FSS: WINK

PLAINVIEW
 §HALE COUNTY IFR 1S FSS: AMARILLO (LC CA 3-2148)
 3372 H52/4-22(2) (S-30, T-40, TT) BL4 S5 F4 U2
 Remarks: Hangar NE.
 Tower¹ 118.9 122.5R Gnd Con 121.7
 Lubbock App Con 118.1 126.2 112.9T
 Plainview (L) BVOR 112.9/PVW 023° 6.0 NM to fld.
 Remarks: ¹Oper 1200-0400Z.

QUITMAN (L) BVOR 114.0/UIM FSS: TYLER

RANDOLPH RBn HW 359/RND FSS: SAN ANTONIO
 Remarks: Used as LOM.

ROCKSPRINGS (L) BVOR 111.2/RSG FSS: SAN ANTONIO

SABINE PASS (L) BVORTAC 115.4/SBI FSS: BEAUMONT CS/T

SALT FLAT (L) BVORTAC 113.0/SFL FSS: EL PASO

SAN ANGELO
 §MATHIS FIELD IFR 7SW FSS: SAN ANGELO on Fld
 1915 H59/3-21(3) (S-35, T-56, TT-) BL4,8A,9 S5 F4 JP1
 U2 RVV: Rnwy 3
 Remarks: Trees E. Rnwy 9-27 clsd to acft over 25,000 lbs GWT.

TEXAS—Continued

Tower 118.3 122.5R Gnd Con 121.9
 San Angelo App Con 119.2 118.3 122.5R 115.1T
 109.7T
 ILS 109.7 I-SJT Apch Brg 033° LOM: 356/SJ
 San Angelo (H) BVORTAC 115.1/SJT 235° 1.8 NM to rwy 21.

§SAN ANTONIO INTL IFR 7N FSS: SAN ANTONIO on Fld
 808 H85/12-30(3) (S-150, T-225, TT-300) BL4,6,8A,9 S5
 F4,JP1 U2 RVV: Rnwys 3, 12
 Remarks: US customs Indg rts arpt 1000-2000 Mon-Sat req
 arrival notice be forwarded to customs when filing flt plan in
 Canada, Mexico or Cuba. Rnwy 35 threshold displaced 324'
 NW. Usable Indg length 5128'. Rnwy 17 usable Indg length
 5452'.
 Tower 118.9 122.5R Gnd Con 121.9
 Radar Services:
 App Con 120.3 134.1 126.5 126.2R 122.5R 110.9T
 109.7T Dep Con 123.9
 Tfc Info Ctc App Con 25 mi out.
 ASR Rnwys 3, 12, 17, 21, 30, 35 Ceil 400 Vaby 1 mi
 Min Alt 1208
 ILS 110.9 I-ANT Apch Brg 123° BC unusable LOM: 305/AN
 109.7 I-SAT Apch Brg 032° LOM: 219/SA
 (H)BVORTAC 116.8/SAT 175° 6.3 NM to fld.
 H-SAB 254/SAT 175° 2.3 NM to Rnwy 17
 VHF/DF available, contact tower.
 Remarks: VOT: 110.4.

SAN ANTONIO
 §STINSON MUNI IFR 5S FSS: SAN ANTONIO (LC TA 6-9575)
 577 H49/9-27(3) (S-40, T-75, TT-) BL5 S5 F4
 Remarks: Trees all apchs. Tfc 800' above terrain 1367' MSL.
 Tower¹ 119.5 122.7R Gnd Con 121.7
 Radar Services:
 San Antonio App Con 120.3 134.1 126.5 126.2R
 122.5R
 San Antonio Dep Con 123.9
 Stinson (T) BVOR 108.4/SSF 337° 4.5 NM to fld
 Remarks: ¹Oper 1300-0500Z.

SEGUIN RBn HW 371/UCT FSS: SAN ANTONIO
 Remarks: VFR only. Oper daylight hours Mon-Fri..

SULPHUR SPRINGS (L) BVORTAC 109.0/SLR FSS: DALLAS

TANK RBn BH 388/DDA FSS: DALLAS

TEMPLE (L) BVOR 110.4/TPL FSS: WACO

TEXICO (H) BVORTAC 112.2/TXO FSS: TUCUMCARI

TRADEWIND RBn MHW 338/AM FSS: AMARILLO

TYLER
 §POUNDS FIELD IFR 4W FSS: TYLER on Fld
 544 H52/13-31(3) (S-40, T-60, TT-100) BL5,6,8A,9 S5
 F4,JP1 U2
 Remarks: Rnwy 17 threshold displaced 250' S. 4803' avbl Indg
 rwy 17.
 Tower 120.1 122.5R Gnd Con 121.9
 Tyler App Con 124.1 122.5R 109.9T
 ILS 109.9 I-TYR Apch Brg 127° LOM: 320/TY
 Tyler RBn HW 320/TY 127° 4.6 NM to fld
 Remarks: LOM is HW.

VICTORIA (L) BVOR 111.4/VCT FSS: PALACIOS
 (512) 445-1281

§WACO MUNI IFR 5NW FSS: WACO on Fld
 515 H57/18-36(3) (S-26, T-38, TT-) BL4,6,8A,9 S5
 F5 U2 RVV: Rnwy 18
 Remarks: Rnwy 14-32 (S-46, T-64, TT-100)

TEXAS—Continued

Tower 119.9 126.2 122.5R Gnd Con 121.9

Radar Services: (BCN)¹

App Con 119.3 134.1 122.7R 115.3T

Dep Con 125.7

ILS 109.7 I-ACT Apch Brg 185° LOM: 242/AC

(H) BVORTAC 115.3/ACT 141° 3.0 NM to fld.

Remarks: ¹To be decomm May 1.

WICHITA FALLS

§SHEPPARD AFB/WICHITA FALLS AIR TML IFR 5N

FSS: WICHITA FALLS on fld

1015 H131/15-33(2) (S-45, T-300, TT-530) BL4,6,8A,9,10

S5 F5, JP1 JP4 JP5 U2 VASI: Rnwys 15, 33 RVV: Rnwy 15

Remarks: Overhead h/c ptn 2700' rectangular h/c ptn 2200' MSL.

Rgt h/c rnwys 17 & 33. Rnwy 17-35 GWT 20,000 lbs or less UFN.

Sheppard Tower 119.1 126.2 122.5R Gnd Con 121.9

Wichita Falls App Con 118.2 122.5R 109.7T

Wichita Falls Dep Con 118.2

ILS 109.7 I-SPS Apch Brg 329° LOM: 296/SP

Wichita Falls (H) BVORTAC 112.7/SPS 078° 5.1 NM to fld.

Rn H-W 296/SP 329° 3.8 NM to rnyw 33.

VHF/DF avbl ctc FSS

Remarks: LOM is HW.

WINK (H) BVORTAC 112.1/INK FSS: WINK

UTAH

BONNEVILLE (H) BVORTAC 112.3/BVL FSS: SALT LAKE CITY

BRYCE CANYON (H) BVORTAC 112.8/BCE FSS: BRYCE CANYON

CEDAR CITY (L) BVOR 108.6/CDC FSS: CEDAR CITY

CORINNE Rn MHW 344/COU

DELTA (L) BVORTAC 117.6/DTA FSS: SALT LAKE CITY (DL)

Rn SABH 212°/DTA

DUGWAY Rn MH 284/DPG FSS: SALT LAKE CITY

HANKSVILLE (H) BVORTAC 115.9/HVE FSS: HANKSVILLE

HILL Rn MHW 317/HI FSS: SALT LAKE CITY

LA SAL (L) BVORTAC 112.9/LXL FSS: GRAND JUNCTION

LUCIN (L) BVOR 115.7/LCU FSS: SALT LAKE CITY

MILFORD (H) BVORTAC 112.1/MLF FSS: CEDAR CITY

MYTON (H) BVORTAC 117.9/MTU FSS: GRAND JUNCTION

§OGDEN MUNI IFR 3SW FSS: SALT LAKE CITY (LC 394-8712)

4455 H73/3-21(3) (S-100, T-160, TT-280) BL4,11 S5 F5

JP1 REIL: Rnwy 3

Remarks: Rgt h/c rnyw 16, 21 & 25. Arrival acft ctc Hill AFB apch ctl.

Tower¹ 118.7 122.5R ~~121.5~~ Gnd Con 121.7

Radar Services:

Hill App Con 120.2 132.9 124.1 122.5R 121.1

Hill Dep Con 121.1

Tfc Info Ctc App Con aprx 20 mi out.

ASR Rnwy 3 Ceil 600 Vsby 1 mi Min Alt 5055

(H) BVORTAC 113.6/OGD 098° 3.7 NM to fld.

Rn SABH 263°/OGD 102° 3.2 NM to fld.

Remarks: ¹Oper 1300-0500Z.PROVO (H) BVORTAC 116.6/PVU FSS: SALT LAKE CITY
(LC 374-6327)

§SALT LAKE CITY MUNI NO. 1 IFR 4W FSS: SALT LAKE CITY on fld

4226 H100/16R-34L(2) (S-100, T-160, TT-260)

BL4,6,7,8A,9,10 S5 F5,JP1 U2 VASI: Rnwy 16R

RVV: Rnwy 34L

Remarks: Rnwy 7-25 & 14-32 restricted to acft in excess of

UTAH—Continued

35,000 lbs. No mil service or crash facils avbl excp 1500-2300Z

Mon-Fri. No service holidays.

Salt Lake Tower 118.3 122.7R

Gnd Con 121.9

Radar Services:

Salt Lake App Con 120.9 122.7R 116.8T 109.5T

Salt Lake Dep Con 125.7

ASR Rnwys 16R, 34R, 34L Ceil 400 Vsby 1 mi Min Alt 4626.

Rnwy 16L Ceil 600 Vsby 1 mi Min Alt 4826.

ILS 109.5 I-SLC Apch Brg 339° LOM: 239/SL

VHF/DF¹ available, contact tower.

(H) BVORTAC 116.8/SLC 159° 2.9 NM to rnyw 16R

Remarks: ¹VHF/DF unusable from 360 to 100°. VOT: 111.0

VERNAL (L) BVOR 108.2/VEL FSS: GRAND JUNCTION

VERMONT

§BURLINGTON MUNI IFR 2E AOE FSS: MONTPELIER (LC 878-3393)

335 H78/15-33(2) (S-62, T-110, TT-195) BL5,6,8A,9 S5

F5, JP1, JP4 U2 DT2 RVV: Rnwy 33

Tower 126.2 122.5R 118.3 110.3T

Gnd Con 121.9

Radar Services: (BCN)

App Con 121.1 126.2 122.5R 110.3T

Dep Con 119.2

ILS 110.3 I-BTV Apch Brg 146° BC unusable LOM: 219/BT

(L) BVOR 112.4/BTV 033° 4.3 NM to fld.

Rn H-SAB 323°/BTV 155° 1.8 NM to fld.

VHF/DF available, contact tower

Remarks: VOT: 109.0.

MONTPELIER (L) BVOR 108.2/MPV

FSS: MONTPELIER

Rn MHW 257/MPV

NEWPORT Rn MHW 242/EFK

FSS: MONTPELLER

RUTLAND Rn MHWZ 391/RUT

FSS: GLENS FALLS

SPRINGFIELD Rn MHWZ 275/SFD

FSS: LEBANON

VIRGINIA

BLACKFORD (L) BVOR 110.2/BLA

FSS: BLUEFIELD

BLACKSTONE Rn MHW 326/BKT FSS: BLACKSTONE (0600-2200)

FSS: RICHMOND (2200-0600)

BROOKE (L) BVORTAC 111.8/BRV

FSS: WASHINGTON

CAPE CHARLES (L) BVORTAC

FSS: NEWPORT NEWS

112.2/CCV

CASANOVA (L) BVORTAC 109.6/CSN

FSS: WASHINGTON

CHARLOTTESVILLE

§CHARLOTTESVILLE-ALBEMARLE IFR 7N

FSS: CHARLOTTESVILLE on fld

634 H46(1) BL4,9,11 S5 F4 JP5 U1 DT2 REIL: Rnwy 3

ILS 109.1 I-CHO Apch Brg 027°

Charlottesville Rn MHW 229/AOM 027° 7.9 NM to Rnwy 03.

CLIFDALE (L) BVOR 110.0/CLD

FSS: ROANOKE

CLOVERDALE Rn MHW 359/CLV

DANVILLE (L) BVOR 113.1/DAN

FSS: DANVILLE

ECLIPSE Rn HW 209/NGU

FSS: NEWPORT NEWS

EVINGTON Rn MHW 385/EVI

FSS: ROANOKE

FELKER (T) VOR 111.4/FAF

FSS: NEWPORT NEWS

Rn MH 226/FAF

FENTRESS (T) VOR 114.9/NTU

FSS: NEWPORT NEWS

Rn MHW 356/NTU

VIRGINIA—Continued

| | | |
|---|-----------|----------------------|
| FLAT ROCK (H) BVORTAC | 113.3/FAK | FSS: RICHMOND |
| FRANKLIN (L) BVORTAC | 110.6/FKN | FSS: NEWPORT NEWS |
| RBn H 362/FKN. Private facility | | |
| FRONT ROYAL (H) BVORTAC | 115.3/FRR | FSS: MARTINSBURG |
| GORDONSVILLE (H) BVORTAC | 115.6/GVE | FSS: CHARLOTTESVILLE |
| HARCUM (L) BVOR | 108.8/HCM | FSS: NEWPORT NEWS |
| HERNDON (H) BVORTAC | 116.3/HRN | FSS: WASHINGTON |
| HOPEWELL (L) BVORTAC | 112.0/HPW | FSS: RICHMOND |
| HOT SPRINGS RBn MHWZ | 224/HSP | FSS: ROANOKE |
| Remarks: Private Facility | | |
| LANGLEY (L) VOR | 111.6/LFI | FSS: NEWPORT NEWS |
| LAWRENCEVILLE (L) BVOR | 112.9/LVL | FSS: BLACKSTONE |
| Voice 0600-2200 | | |
| LESLIE RBn MHW | 335/LLE | FSS: ROANOKE |
| LINDEN (L) BVORTAC | 114.3/LDN | FSS: WASHINGTON |
| §LYNCHBURG MUNI-PRESTON GLENN FLD IFR 6SW | | |
| FSS: ROANOKE (LC 846-3942) | | |
| 942 H58/3-21(3) (S-60, T-80, TT-120) BL6,8A,9 S5 F4 JP1 | | |
| U2 DT | | |
| Remarks: DT May 30-Sept 6. | | |
| Lynchburg Tower 120.7 122.5 Gnd Con 121.9 | | |
| Lynchburg App Con 118.0 122.5R 120.7 | | |
| ILS ¹ 110.1 I-LYH Apch Brg 032° LMM: 344/YH | | |
| Lynchburg (L) BVORTAC 109.2/LYH 025° 4.0 NM to fld. | | |
| Remarks: ¹ BC unusable below 3500' MSL beyond 20 NM. | | |
| MANAKIN MHW | 341/MNV | |
| MONTEBELLO (L) BVOR | 112.6/MOL | FSS: CHARLOTTESVILLE |
| MORRISON RBn HW | 248/MOV | |
| NEWPORT NEWS | | |
| §PATRICK HENRY IFR 9NW FSS: NEWPORT NEWS on Fld | | |
| 41 H61/6-24(2) (S-85, T-120, TT-215) BL4,6,8A,9 S5 | | |
| F5, JP1 U2 DT FSS: NEWPORT NEWS on Fld | | |
| Remarks: Fee in lieu of fuel for acft over 12,500 lbs. | | |
| DT May 30-Sept 5. | | |
| Tower 118.7 122.7R 110.1T 317T Gnd Con 121.9 | | |
| Radar Services: (BCN) | | |
| Norfolk App Con 125.7 | | |
| Norfolk Dep Con 126.8 | | |
| ILS 110.1 I-PHF Apch Brg 065° BC unusable LOM: 375/PH | | |
| §NORFOLK MUNI IFR 5NE FSS: NEWPORT NEWS (DL) | | |
| 26 H60/4-22(3) (S-70, T-100, TT-180) BL4,6,8A,9 S5 | | |
| F5, JP1 U2 DT RVV: Rnwy 4 | | |
| Remarks: DT May 30-Sept 5. Rnwy 13 threshold displaced 219' | | |
| SE. 4657' avbl Indg rwy 13. 4876' avbl Indg and tkof rwy | | |
| 31 and tkof rwy 13. Rnwy open day/ngt opers. Rnwy 19 | | |
| threshold displaced 950' SW. Dalgt opers 4050' avbl Indg rwy | | |
| 19; 5000' avbl Indg rwy 1 and tkof rwy 1 and 19. Ngt | | |
| opers SW 4050' avbl tkof and Indg both direstions. Rnwy 1-19 | | |
| avbl single and twin eng acft only. Multi-eng acft prohibited | | |
| from making eng runup when facing SE at the apch end of | | |
| rwy 4. | | |
| Tower 121.1 122.5R 109.1T Gnd Con 121.9 | | |
| Radar Services: (BCN) | | |
| App Con 118.9 Dep Con 118.5 | | |
| ASR Rwy 1, 4, 13, 19, 22, 31 Ceil 500 Vaby 1½ mi | | |
| Min Alt 526 | | |
| ILS 109.1 I-ORF Apch Brg 045° LOM: 329/OR | | |
| (H) BVORTAC 116.9/ORF at fld. | | |
| VHF/DF available, contact tower. | | |

VIRGINIA—Continued

| | | |
|---|-----------|-----------------|
| PULASKI (H) BVORTAC | 115.9/PSK | FSS: BLUEFIELD |
| Rng SBMRAZ 272/PK | | |
| RICHMOND | | |
| §RICHARD E. BYRD FLYING FIELD IFR 6 E FSS: RICHMOND on Fld | | |
| 167 H90/15-33(3) (S-100, T-150, TT-270) BL4, 6, 8A, 9 S5 | | |
| F5, JP1, JP4 U2 DT RVV: Rnwy 6 | | |
| Remarks: Fee exec and skeds. Rgt tlc patn rwy 6, 20 and | | |
| 33. 1000' overrun each end rwy 15-33. DT may 30-Sept 5. | | |
| Richmond Tower 119.5 126.2 122.5R 110.3T Gnd Con 121.9 | | |
| Clim Del 121.9 | | |
| Radar Services: (BCN) | | |
| Richmond App Con 119.0 126.2 122.5R 119.9 110.3T | | |
| Richmond Dep Con 118.2 | | |
| Tlc Info Lndg acft App Con 35 mi out on 119.9 | | |
| ASR Rwy 2, 15, ¹ 20, 24, ¹ 33 ¹ Ceil 400 Vaby 1 mi Min | | |
| Alt 567 | | |
| Rnwy 6 Ceil 500 Vaby 1 mi Min Alt 667 | | |
| ILS 110.3 I-RIC Apch Brg 063° LOM: 382/R1 | | |
| Richmond (H) BVOR ² 114.1/RIC on fld. | | |
| Richmond SBH 260/RIC 018° 1.7 NM to fld. | | |
| Remarks: ¹ 400-3/4 authorized, excep for 4 eng turbojet acft, with | | |
| operative hi intensity rwy lghts. ² To be (L) BVORTAC | | |
| VOT: 110.8. | | |
| §ROANOKE MUNI IFR 3 NW | | |
| FSS: ROANOKE on Fld | | |
| 1174 H58/15-33(3) (S-70, T-100, TT-175) BL4, 8A, 9, 11 S5 | | |
| F5, JP1 DT REIL: Rnwy 23 | | |
| Remarks: (S-30) rwy 5-23 and 15-33. (S-10) rwy 9-27. DT | | |
| May 30-Sept 6. | | |
| Tower 118.3 122.5R 120.2 Gnd Con 121.9 | | |
| Radar Services: (BCN) | | |
| App Con 126.9 122.5R 120.2 109.0T | | |
| Dep Con 126.0 | | |
| ASR Rnwy 33 Ceil 1200 Vaby 2 mi Min Alt 2374 | | |
| Roanoke (L) BVORTAC 109.4/ROA 107° 4.5 NM to fld. | | |
| Roanoke RBn H-SAB 371°/ROA 354° 1.5 NM to fld. | | |
| SOUTH BOSTON (L) BVORTAC | 110.4/SBV | FSS: DANVILLE |
| SPRINGFIELD RBn MHW | 353/SRI | FSS: WASHINGTON |
| WOODRUM (T) VOR | 109.0/ODR | FSS: ROANOKE |
| WASHINGTON | | |
| BELLINGHAM (L) BVOR | 113.0/BLI | FSS: BELLINGHAM |
| EDIZ HOOK RBn MHWZ | 322/K | FSS: SEATTLE |
| ELLENSBURG (L) BVORTAC | 117.9/ELN | FSS: WENATCHEE |
| EPHRATA (H) BVOR | 116.8/EPH | FSS: EPHRATA |
| EVERETT | | |
| §PAINE FIELD IFR 6 SW FSS: SEATTLE (DL) | | |
| 603 H90/16-34(2) (S-50, T-150, TT-220) BL6, 8A, 9 S5 | | |
| F4, JP4 U2 DT | | |
| Remarks: Rnwy 11 threshold displaced 1600'. Jet arresting | | |
| barrier 3' above rwy 16/34 J-bar each end rwy 34 not | | |
| visible to twr 2000' to 4000' from apch end. Due constrn twr | | |
| unable observe portion rwy 34 starting 1000' from apch end | | |
| and extending aprxly 2000'. | | |
| Tower 121.3 126.2 122.5R 3023.5R 278T | | |
| Radar Services: | | |
| Seattle Center App Con 121.2 | | |
| ILS 109.3 I-PAE Apch Brg 155° LOM: 396/PAE | | |

WASHINGTON—Continued

Everett (L) VOR 114.2/PAE on fld.
 Everett RBN HW 396/PAE 158° 7.9 NM to fld
 Remarks: LOM is HW.

GRAY RBN MH 216/GRF FSS: SEATTLE
 HOQUIAM (H) BVOR 113.1/HQM FSS: HOQUIAM
 KITSAP RBN MHW 206/PWT FSS: SEATTLE
 Remarks: Operd by County.
 LARSON (L) VOR 117.0/LRN FSS: EPHRATA
 RBN MHW 408/LR
 NEAH BAY RBN HW 391/EBY FSS: SEATTLE
 OLYMPIA (L) BVORTAC 108.2/OLM FSS: SEATTLE
 PASCO (L) BVOR 108.4/PSC FSS: WALLA WALLA
 PORT ANGELES (L) BVOR 108.4/CLM FSS: SEATTLE
 §RENTON MUNI IFR Adj NW 031° FSS: SEATTLE (LC RO 2-4000)
 29 H53/15-33(1) (S-100, T-190, TT-300) BL4 S5
 F4, U2 JP4 DT2
 Remarks: Rnwy 33 threshold displaced 1000'. Rgt Hc rnwy 33.
 Lgt gun signals not visible 195-300° at 1000' MSL beyond 2 mi.
 Tower¹ 118.9 122.7R ~~121.5~~ Gnd Con 121.9
 Seattle Dep Con 119.2
 Remarks: ¹Oper 0700-2300 lcl time.

SEATTLE

§KING COUNTY ARPT, BOEING FIELD IFR 4 S FSS: SEATTLE on fld
 17 H100/13-31(2) (S-100, T-160, TT-290) BL6, 11, 12 S5
 F5, JP1 U2 DT2 RVV: Rnwy 13 REIL: Rnwy 31
 Remarks: Rnwy 12-30 (Max-12.5)
 Boeing Tower 118.3 122.5R 248T Gnd Con 121.9
 Radar Services: (BCN)
 Seattle App Con 119.5 123.9 125.9 122.6R 114.5T
 Seattle Dep Con 119.2
 ILS¹ 110.9 I-BFI Apch Brg 128° BC unusable LOM: 387/BF
 Seattle RBN SABH 362/SEA 290° 2.1 NM to fld.
 Remarks: ¹Glide slope unusable past 6° E of front crs. Lclzr
 unusable beyond 13 NM 27° W of cntrline below procedure
 turn alt. Flag indications may be experienced beyond 12 NM
 of LOM below 3000' beyond 15° E of cntrline.

§SEATTLE-TACOMA INTL IFR 10 S FSS: SEATTLE (DL)
 428 H119/16-34(2) S-45, T-145, TT-300 BL4,6,8A,9,14
 S5 F5, JP1, JP4 DT2 RVR: Rnwy 16, 34
 Tower 119.9 123.9 122.6R Gnd Con 121.7
 Radar Services: (BCN)
 Seattle App Con 119.5 123.9 125.9 122.6R 114.5T
 Seattle Dep Con 119.2 123.9
 PAR Rnwys 16, 34 Ceil 200 Vsby ½ mi Min Alt 628
 ASR Rnwy 34 Ceil 400 Vsby 1 mi Min Alt 828
 ILS 110.3 I-SEA¹ Apch Brg 338° BC unusable LOM: 224/SE
 111.5 I-SZ² Apch Brg 158° LOM: 281/SZ
 Seattle (H) BVORTAC 114.5/SEA at fld.
 VHF/DF available, contact tower.
 Remarks: ¹Automatic apchs not authorized from MM to touch-
 down. ²Caution required in use auto pilots on glide slope from
 MM to touchdown. Lclzr unusable beyond 20 NM below 2600'.
 Both systems not operd simultaneously.

§SPOKANE INTL IFR 5 S FSS: SPOKANE
 2372 H90/3-21(2) (S-100, T-200, TT-350) BL5, 6, 8A, 9
 S3 F4 JP1, JP4 DT2 RVV: Rnwy 3 RVR: Rnwy 21
 Remarks: Rgt Hc rnwy 3 and 7. Jet arresting barriers rnwy 3-21.
 Tower 118.3 122.5R Gnd Con 121.9
 Radar Services: (BCN)
 App Con 134.1 126.2x 124.7 123.7 122.5R 119.0 109.9T
 Dep Con 124.3
 Tfc Info Ctc Spokane App Con aprx 20 mi out.

WASHINGTON—Continued

ILS 109.9 I-GEG Apch Brg 205° LOM: 236/GE
 (H) BVORTAC 115.5/GEG 027° 4.5 NM to fld
 RBN SABH 365°/GEG 271° 4.3 NM to fld
 Remarks: VOT: 109.6

TACOMA INDUSTRIAL RBN MHW 373/TIW FSS: SEATTLE

WALLA WALLA

§CITY-COUNTY IFR 3 NE FSS: WALLA WALLA on fld
 1205 H72/2-20(3) BL4, 6, 8A, 9 S5 F5, JP4 DT2
 Remarks: Apch end rnwy 25 not visible to twr. Jet arresting bar-
 rier lclz 650' from threshold rnwy 2. 1030' overrun NE end,
 500' SW end.
 Walla Walla Tower¹ 118.5 122.7R
 (L) BVOR 111.8/ALW
 RBN BH 356/ALW
 Remarks: ¹Oper 1400-0200Z Mon-Fri; Clsd holiday. AAS provided
 by FSS when twr not in opern.

WENATCHEE (L) BVOR 111.0/EAT FSS: WENATCHEE

§YAKIMA MUNI IFR 2 S FSS: YAKIMA on fld
 1082 H55/9-27(3) (S-50, T-60, TT-100) BL4, 6 S5
 F5, JP1, JP4 U2
 Remarks: Rnwy 34 threshold and runup area not visible from
 twr.
 Tower 119.1 122.5R Gnd Con 121.9
 App Con 120.2 122.5R
 ILS 110.1 I-YKM Apch Brg 269° LOM: 284/YK
 (H) BVOR 116.0/YKM 244° 3.6 NM to fld

WEST VIRGINIA

BECKLEY (H) BVOR 117.7/BKW FSS: CHARLESTON

BLUEFIELD (L) BVOR 115.4/BLF FSS: BLUEFIELD

CHARLESTON

§KANAWHA IFR 2 NE FSS: CHARLESTON on fld
 982 H56/5-23(2) (S-150, T-200, TT-44) BL4, 6, 8A, 9, 11
 S5 F5, JP5 U2 DT1 RVV: Rnwy 23 REIL: Rnwy 5
 Charlestown Tower 120.3 110.3T 122.5R Gnd Con 121.9
 Radar Services:
 Charleston App Con 118.8 110.3T 122.5R
 Charleston Dep Con 124.1
 Tfc Info All landing acft ctc App Con on 118.8
 ASR Rnwys 5, 14, 23 Ceil 600 Vsby 1 mi Min Alt 1582
 ILS 110.3 I-CRW Apch Brg 230° BC unusable LOM: 303/CR
 Charleston (H) BVORTAC 117.4/CRW 084° 8.1 nm to fld
 VHF/DF available, contact Tower.
 Remarks: VOT: 111.0

CLARKSBURG (L) BVOR 115.1/CKB FSS: MORGANTOWN

ELKINS (L) BVORTAC 114.5/EKN FSS: ELKINS
 Rng SBMRAZ 245/EN

HENDERSON (L) BVORTAC 111.2/HNN FSS: HUNTINGTON

HUNTINGTON

§TRI-STATE (WALKER LONG FLD) IFR 6 SW FSS: HUNTINGTON on fld
 828 H53/11-29(1) (S-50, T-75, TT-135) BL6, 8A, 9 S5
 F4, JP1 U2 DT1
 Huntington Tower 120.9 122.5R Gnd Con 121.9
 Huntington App Con 118.5 122.5R 109.9T
 ILS¹ 109.9 I-HTS Apch Brg 114° LOM: 287/HT
 Huntington RBN BH 323/HTW 199° 2.5 NM to fld.
 Remarks: ¹Lclzr front unusable MM to rnwy.

KESSEL (L) VORW 110.8/ESL FSS: ELKINS

WEST VIRGINIA—Continued

| | |
|---|--------------------------------|
| MARTINSBURG MUNI IFR 4 S | FSS: MARTINSBURG on Fld |
| 556 H70/8-26(2) (S-90, TT-) BL4,6 F4 DT2 | |
| Tower ¹ 120.5 126.2 122.5R | Gnd Con 121.9 |
| Radar Services: | |
| Dulles App Con 119.2 126.1 | |
| Dulles Dep Con 125.55 | |
| PAR ² Rwy 26 Ceil 300 Vsby $\frac{3}{4}$ mi Min Alt 856 | |
| ASR ² Rwy 26 Ceil 400 Vsby 1 mi Min Alt 956 | |
| (L) BVORTAC 112.1/MRB 289° 5.9 NM to fld. | |
| Remarks: ¹ Oper 0800-1630 Tues, Thur, Sat and Sun; 0830-2200 Wed and Fri, subject to ANG operns. Clsd Mon and holidays. | |
| ² Oper 0830-1630 Tues thru Sat only. | |
| MORGANTOWN (L) BVORTAC 111.6/MGW | FSS: MORGANTOWN |
| RBn MHW 269/MGW | |
| PARKERSBURG (L) BVOR 114.2/PKB | FSS: PARKERSBURG |
| RAINELE (L) BVOR 116.6/RNL | FSS: CHARLESTON |
| WHEELING-OHIO COUNTY IFR 7 N | FSS: WHEELING on Fld |
| 1195 H40/3-21(3) (S-120, T-170, TT-290) BL4, 6, 10, 11, 12 | |
| F4 VASI: Rwy 21 REIL: Rwy 21 | |
| Wheeling Tower 118.1 122.5R 109.7T | Gnd Con 121.9 |
| ILS ¹ 109.7 I-HLG Apch Brg 030° LOM: 212/HL | |
| Wheeling (L) BVOR 112.2/HLG 220° 5.8 NM to fld. | |
| Remarks: ¹ Glide slope unusable from MM to touchdown due to roughness. | |
| WHITE SULPHUR SPRINGS (T) VOR 108.4/SSU | FSS: ROANOKE, VA. |

WISCONSIN

| | |
|---|----------------------------------|
| APPLETON RBn MHW 407/ATW | FSS: GREEN BAY |
| BOULDER JUNCTION RBn H 206/BDJ | FSS: WAUSAU |
| CAMP MC COY RBn MHW 412/CAY | FSS: LA CROSSE |
| DELS (L) BVOR 110.4/DLL | FSS: LONE ROCK |
| EAU CLAIRE (L) BVORTAC 112.9/EAU | FSS: EAU CLAIRE |
| FOND DU LAC RBn MHW 248/FLD | FSS: GREEN BAY |
| GRANTSBURG (L) BVOR 109.4/GTG | FSS: MINNEAPOLIS |
| GREEN BAY | |
| AUSTIN STRAUDEL IFR 7 SW | FSS: GREEN BAY on Fld |
| 694 H52/6-24(3) (S-63, T-87, TT-160) BL4, 6, 8 S5 F4 U2 | |
| DT1 RVR: Rwy 6 | |
| Remarks: US Customs Indg rts arpt. 1166' (2049' MSL) and 1149' (2049' MSL) twrs 7.5 NM SE | |
| Green Bay Tower 118.7 122.5R 109.5T | Gnd Con 121.9 |
| Green Bay App Con 119.4 | |
| VFR ADV Ctc App Con on 119.4. | |
| ILS ¹ 109.5 I-GRB Apch Brg 059° LOM: 356/GR | |
| Green Bay (H) BVORTAC 117.0/ GRB 145° 4.6 NM to fld. | |
| VHF/DF avbl, ctc FSS | |
| JANESVILLE | |
| ROCK COUNTY IFR 4 SW | FSS: ROCKFORD (LC EN5639) |
| 808 H54/4-22(3) BL6, 11 S5 F4 JP1 U2 DT2 | |
| REIL: Rwy 4 | |
| Remarks: Rwy 22 threshold displaced 6981 NE. Indg length 4702'; rwy 31 threshold displaced 449' NW, Indg length 4957'. | |
| Tower 121.2 122.7R | Gnd Con 121.9 |
| Rockford App Con 119.6 | |
| (L) BVORTAC 113.4/JVL | |
| Remarks: Oper 0700-2200 lcl time. Eftv May 16. | |

WISCONSIN—Continued

| | |
|--|------------------------------|
| LACROSSE (T) BVOR 108.4/LSE | FSS: LACROSSE |
| RBn SBH 371/LSE | |
| LAND 'O LAKES RBn MHW 396/LNL | FSS: WAUSAU |
| Remarks: Owned operd by city. | |
| LONE ROCK (L) BVORTAC 112.8/LNR | FSS: LONE ROCK |
| MADISON | |
| STRUAX FIELD IFR 5 NE | FSS: MADISON on Fld |
| 859 H76/18-36(4) (S-150, T-190, TT-310) BL4, 8A, 9 S5 | |
| F5, JP4, JP5 U2 DT1 RVR: Rwy 18 | RVR: Rwy 36 |
| Remarks: P-line N, W. 1107' (227' MSL) twr 9.5 NM SW and 1182' (2249' MSL) twr 8 NM SW. 24-hr notice required for mil acft requesting 2500 gals or more F5. Taxi on hard surface areas only. | |
| Madison Tower 119.3 126.2 122.5R 115.5T | Gnd Con 121.9 |
| Madison App Con 120.1 126.2 109.9T | |
| Madison Dep Con 118.8 | |
| VFR ADV Ctc App Con on 120.1. | |
| ILS 109.9 I-MSI Apch Brg 359° | LOM: 400/MSN |
| Madison RBn MHW 400/MSN 359° | 3.9 NM to fld. |
| Truax (L) BVOR 115.5/TAX at fld. | |
| VHF/DF available contact Tower. | |
| Remarks: LOM is MHW | |
| MANITOWOC (T) BVOR 111.0/MTW | FSS: GREEN BAY |
| MILWAUKEE | |
| GENERAL MITCHELL FLD IFR 5 S | FSS: MILWAUKEE on Fld |
| 723 H99/1-19(4) (S-200, T-200, TT-400) BL4, 5, 6, 8A, 9 S5 | |
| F5, JP1 U2 DT1 RVR: Rwy 1 | |
| Remarks: Rwy 19 threshold displaced 1600' S. 8316 avbl Indg rwy 19. Rwy 25L threshold displaced 523' SW. 7489' avbl rwy 25L day/ngt. 8010' avbl tkof rwy 25L and Indg and tkof 7R day/ngt. Rwy 7L-25R clsd to all Jet acft. 1105' (1735' MSL) 9.5 NM N and 1078' (1720' MSL) twrs 8 NM N. 1035' (1685' MSL) twr 8 NM N. | |
| Milwaukee Tower 119.1 126.2 122.7R | Gnd Con 121.9 |
| Cltc Del 120.0 | |
| Radar Services: (BCN) | |
| Milwaukee App Con 126.5 126.2 123.8 116.4T 110.3T 242T | |
| Milwaukee Dep Con 118.0 126.2 122.7R 118.6 | |
| Tfc Info: Acft apchg from 360-179° of fld ctc App Con on 123.8; from 180-359° ctc App Con on 126.5. | |
| ASR Rwnys 1 ¹ , 7R Ceil 400 Vsby 1 mi Min Alt 1123. | |
| Rwnys 13, 19, 25L, 31 Ceil 500 Vsby 1 mi Min Alt 1223 | |
| Rwnys 25L, 31 Ceil 600 Vsby 1 mi Min Alt 1323 | |
| ILS 110.3 I-MKE Apch Brg 006° LOM: 410/MK | |
| Milwaukee (H) BVORTAC 116.4/MKE 118° 19.2 NM to fld. | |
| Milwaukee RBn H-SAB 242°/MKE 352° 1.4 NM to fld. | |
| VHF/DF available, contact Tower. | |
| Remarks: ¹ Do not descend below 1200 on apch until ctlr advise passing AC Spark Plug twr. VOT: 109.0 | |
| STIMMERMAN FIELD IFR 5 NW | |
| FSS: MILWAUKEE (DL) | |
| 745 H41/15L-33R(2) (Max-15) BL4 S5 F4 U-2 DT1 | |
| Remarks: P-line E, NE. 1105' (1753' MSL) and 1078' (1720' MSL) twrs 6 NM E. 1035' (1685' MSL) twr 6 NM ESE. Clsd all jet acft without prior premission except emgcy. | |
| Tower ¹ 120.5 122.5R | Gnd Con 121.7 |
| Radar Services: | |
| Milwaukee App Con 126.5 ¹ 126.2 123.8 ¹ 116.4T 110.3T 242T | |
| Milwaukee Dep Con 118.0 126.2 122.7R 118.6 | |

WISCONSIN—Continued

Tfc Info Ctc Milwaukee App con 123.8 E sector; 126.5 W sector.

Timmerman (L) BVOR 108.6/MWC on fld.

Remarks: ¹Oper 1200-0400Z. ²360-179 ³180-359.

OSHKOSH

§WINNEBAGO CO IFR 1 SW FSS: GREEN BAY (DL)

795 H58/9-27(4) (S-75, T-100, TT-) BL6 S5 F4, JP4 U2 DT2

Remarks: P-line E, NE. Rnwy 27 threshold displaced 594' W.

5262' avbl Indg rnwy 27. Rnwy 36 threshold displaced 790' N.

4357' avbl rnwy 36. Rnwys 4-22, 13-31 not plowed winters.

Oshkosh Tower¹ 120.7 122.5R 395T Gnd Con 121.9

Tfc Info App Con Radar vector service to final apch crs from Chicago ARTCC on 124.4.

ILS 110.5 I-OSH Apch Brg 089° LOM: 395/OS

Oshkosh (L) BVOR 111.8/OSH at fld.

Remarks: ¹Oper 1300-0500Z

RACINE RBN MH 260/RAC FSS: MILWAUKEE

REWEY (L) BVOR 115.8/RWY FSS: LONE ROCK

RHINELANDER (L) BVORTAC 109.2/RHI FSS: WAUSAU

STEVENS POINT (L) BVOR 110.6/STE FSS: WAUSAU

TIMMERMAN (L) BVOR 108.6/MWC FSS: MILWAUKEE

TRUAX (L) BVOR 115.5/TAX FSS: MADISON

VOLK (L) VOR 109.0/VOK FSS: LA CROSSE

RBN HW 281/VOK

WAUSAU (L) BVORTAC 111.6/AUW FSS: WAUSAU

WYOMING

BIG PINEY (L) BVOR 116.5/BPI FSS: ROCK SPRINGS

BOYSEN RESERVOIR (H) BVORTAC 117.8/BOY FSS: WORLAND

§CASPER AIR TERMINAL IFR 7 NW FSS: CASPER on Fld

5348 H90/16-34(4) (S-80, T-146, TT-288) BL4, 6, 8A, 9

S5 F4, JP4 U2

Remarks: 1000' overruns on each end rnwy 3-21 not lgtd.

Tower 118.3 122.5R ~~121.5~~ Gnd Con 121.9

App Con 120.7 122.5R 116.2T 110.3T

ILS¹ 110.3 I-CPR Apch Brg 074° LOM: 219/CP

(L) BVORTAC 116.2/CPR 201° 13.2 NM to fld.

RBN SABH 269°/CPR 255° 6.7 NM to fld.

VHF/DF avbl etc FSS

Remarks: ¹Glide slope unusable beyond 1 nmi W of LOM above 7000' MSL due to moderate to severe roughness.

CHEROKEE (L) BVOR 112.2/CKW FSS: RAWLINS

Remarks: To be BVORTAC June 23.

§CHEYENNE MUNI IFR 1 N FSS: CHEYENNE on Fld

6155 H93/8-26(3) (S-90, T-121, TT-270) BL4, 6, 8A, 9, 11 S5

F5, TPI JP4 RVV: Rnwy 26 REIL: Rnwy 30

Remarks: Avoid hospital E. Rnwy 8 threshold displaced 687'

E. 8610' avbl Indg rnwy 8; 9297' avbl Indg rnwy 26.

Tower 118.7 122.5R 126.2 113.1T Gnd Con 121.9

VFR Adv Ctc App Con on 118.7 aprx 25 mi out.

App Con 119.9 122.5R 113.1T

ILS 109.9 I-CYS Apch Brg 262° LOM: 219/CY

(H) BVORTAC 113.1/CYS 196X 3.7 NM to fld.

CRAZY WOMAN (H) BVORTAC 117.3/CZI FSS: SHERIDAN

DOUGLAS (L) BVOR 108.6/DGW FSS: CASPER

DUNOIR (L) BVOR 113.4/DNW FSS: WORLAND

WYOMING—Continued

FORT BRIDGER (L) BVORTAC 108.6/FBR FSS: ROCK SPRINGS

JACKSON (L) BVOR 108.4/JAC FSS: IDAHO FALLS

Remarks: To be comsd May 26.

LARAMIE (L) BVORTAC 117.6/LAR FSS: LARAMIE

MEDICINE BOW (L) BVOR 114.1/MBW FSS: LARAMIE

RIVERTON (L) BVOR 108.8/RIW FSS: WORLAND

§ROCK SPRINGS MUNI IFR 7E FSS: ROCK SPRINGS on Fld

6747 H67/7-25(2) BL4,6,7 S3 F4

Remarks: Fee.

ILS 110.3 I-RKS Apch Brg 254° LOM: 219/RK

(H) BVORTAC 114.7/RKS

RBN SABH 290/RKS

SHERIDAN (L) BVORTAC 115.3/SHR FSS: SHERIDAN

SINCLAIR RBN SBH 368/SIR FSS: RAWLINS

PUERTO RICO

PONCE (L) BVOR 109.0/PSE FSS: SAN JUAN

RAMEY (H) BVORTAC 113.5/RSJ FSS: SAN JUAN

SAN JUAN

§ISLA GRANDE Adj W FSS: SAN JUAN

11 H53/9-27(1) (S-52, T-88, TT-160) BL4 S3 F4

Isla Grande Tower¹ 118.7 126.2 122.5R 218T 3023.5R

Gnd Con 121.7

Remarks: ¹Oper 1100-0200Z

§PUERTO RICO INTL 6E FSS: SAN JUAN

9 H100/7-25(1) (S-100, T-200, TT-400) BL-6, 11 S5 F5 JP1, JP4,

JP5 U2 REIL: Rnwy 7

Remarks: U.S. Customs Indg rgt. Indg fee over 7500 lbs.

San Juan Tower 118.3 3023.5R 272T Gnd Con 121.9

Radar Services:

San Juan App Con 124.6 119.0

San Juan Dep Con 120.9

ASR¹ Rnwy 7 Ceil 600 Vsby 1 mi Min Alt 609

Rnwy 25 Ceil 400 Vsby 1 mi Min Alt 409

San Juan (H) BVORTAC 114.0/SJU on fld

San Juan RBN BHH 391.SJU 100° 24.0 NM to fld

Remarks: ¹Descent below 1200' not authorized until passing 4.6 NM radar fix.

SAN PAT RBN MHW 330/SJP FSS: SAN JUAN

SWAN ISLAND

SWAN ISLAND RBN HHW 407/SWA

VIRGIN ISLANDS

ST. CROIX (L) BVOR 108.2/STX FSS: ST. CROIX

RBN¹ HW 224/STX

Remarks: ¹Oper 1100-0300Z

ST. THOMAS

CHARLOTTE AMALIE

§HARRY S. TRUMAN 2W FSS: SAN JUAN

11 H42/9-27(1) (S-30, T-45, TT-70) BL5 F4

Remarks: U.S. Customs Indg rgt.

St. Thomas Tower¹ 118.5 122.5R 108.6T

St. Thomas (L) BVOR 108.6/STT 119° 3.0 NM to fld

St. Thomas RBN² HW 239/STT on fld.

Remarks: ¹Oper 1000-0200Z. ²Private; oper 1100-0300Z

AIR ROUTE TRAFFIC CONTROL CENTER COMMUNICATIONS FREQUENCIES

FOR DETAILED INFORMATION SEE SECTION II DIRECT COMMUNICATIONS
CONTROLLERS/PILOTS

Center SECTOR Discrete Frequencies

ALBUQUERQUE

| VHF (Low) | | | | VHF (High) | | | |
|-----------|-------|-------|-------|------------|--------|--------|--------|
| 119.8 | 120.1 | 124.5 | 124.6 | 132.9 | 133.0 | 132.65 | 133.05 |
| 124.7 | 125.2 | 125.4 | 125.9 | 133.8 | 133.45 | 133.55 | 133.65 |
| 126.0 | 126.4 | 126.9 | 127.2 | 133.85 | 134.35 | 134.45 | 134.75 |
| 132.3 | 134.5 | | | 135.05 | 135.3 | 135.7 | 135.8 |
| | | | | 135.15 | | | |

ATLANTA

| VHF (Low) | | | | VHF (High) | | | |
|-----------|--------|--------|--------|------------|--------|--------|--------|
| 118.9 | 120.0 | 120.3 | 120.8 | 132.25 | 132.75 | 132.85 | 132.9 |
| 120.9 | 121.2 | 123.8 | 124.1 | 133.1 | 133.35 | 133.7 | 134.45 |
| 124.4 | 125.2 | 125.5 | 126.4 | 134.55 | 134.6 | 135.15 | 135.75 |
| 126.6 | 127.15 | 127.55 | 127.8 | | | | |
| 127.95 | 128.3 | 128.6 | 128.65 | | | | |
| 135.6 | | | | | | | |

BOSTON

| VHF (Low) | | | | VHF (High) | | | |
|-----------|-------|-------|-------|------------|--------|--------|--------|
| 119.0 | 121.0 | 124.0 | 124.2 | 127.8 | 128.1 | 132.5 | 132.65 |
| 124.9 | 125.8 | 127.0 | 127.1 | 132.9 | 133.5 | 134.3 | 134.7 |
| 127.3 | 127.6 | 127.8 | 127.9 | 134.45 | 134.95 | 134.85 | |
| 128.1 | 128.2 | 132.4 | 132.5 | | | | |
| 132.65 | 135.7 | | | | | | |

CHICAGO

| VHF (Low) | | | | VHF (High) | | | |
|-----------|--------|-------|-------|------------|--------|--------|--------|
| 119.4 | 119.6 | 120.2 | 120.4 | 124.5 | 127.95 | 132.15 | 128.65 |
| 120.6 | 120.8 | 121.4 | 124.0 | 132.4 | 132.5 | 132.75 | 133.1 |
| 124.1 | 124.4 | 124.8 | 125.1 | 133.35 | 133.5 | 133.7 | 133.9 |
| 125.2 | 125.6 | 126.4 | 126.6 | 133.95 | 134.85 | 135.1 | 135.35 |
| 126.8 | 127.0 | 127.1 | 127.2 | 135.55 | | | |
| 127.5 | 127.6 | 127.7 | 127.8 | | | | |
| 128.0 | 128.05 | 128.2 | 128.4 | | | | |
| 128.5 | 128.7 | 132.2 | 132.3 | | | | |

CLEVELAND

| VHF (Low) | | | | VHF (High) | | | |
|-----------|--------|--------|--------|------------|--------|--------|-------|
| 118.8 | 118.9 | 119.6 | 119.8 | 132.25 | 132.45 | 133.25 | 133.3 |
| 120.2 | 120.3 | 120.4 | 120.6 | 133.95 | 134.25 | 134.65 | |
| 120.8 | 121.2 | 121.4 | 123.9 | | | | |
| 124.2 | 124.3 | 124.4 | 124.6 | | | | |
| 125.0 | 125.1 | 125.2 | 125.3 | | | | |
| 125.6 | 125.7 | 126.1 | 126.4 | | | | |
| 126.8 | 127.15 | 127.5 | 127.45 | | | | |
| 127.65 | 127.9 | 128.35 | 128.45 | | | | |
| 128.6 | 134.3 | | | | | | |

Center SECTOR Discrete Frequencies

DENVER

| VHF (Low) | | | | VHF (High) | | | |
|-----------|-------|-------|-------|------------|--------|--------|--------|
| 119.8 | 124.1 | 125.0 | 125.6 | 127.55 | 128.2 | 132.1 | 132.05 |
| 125.8 | 126.0 | 127.2 | 127.8 | 132.15 | 132.85 | 133.15 | 127.3 |
| 132.5 | 132.7 | 133.0 | 133.4 | 133.3 | 133.75 | 133.85 | 134.4 |
| 134.6 | | | | 134.65 | 135.5 | 135.15 | 135.65 |

FORT WORTH

| VHF (Low) | | | | VHF (High) | | | |
|-----------|-------|-------|-------|------------|--------|--------|--------|
| 119.4 | 124.4 | 124.6 | 124.7 | 132.2 | 132.35 | 132.45 | 132.55 |
| 124.8 | 125.0 | 125.5 | 125.6 | 132.75 | 133.5 | 133.7 | 133.25 |
| 126.0 | 126.6 | 127.3 | 127.7 | 133.35 | 133.55 | 133.95 | 134.25 |
| 128.1 | 128.3 | 133.1 | 133.3 | 134.55 | 134.85 | 135.1 | 135.4 |
| 133.9 | 135.0 | 135.6 | | 135.8 | 135.35 | 135.75 | |

GREAT FALLS

| VHF (Low) | | | | VHF (High) | | | |
|-----------|-------|-------|-------|------------|--------|--------|--------|
| 120.4 | 124.1 | 125.0 | 125.1 | 118.9 | 125.0 | 132.25 | 132.65 |
| 125.5 | 125.8 | 125.9 | 126.4 | 132.95 | 133.4 | 133.55 | 134.55 |
| 126.5 | 127.1 | 127.6 | | 135.25 | 135.55 | | |

HOUSTON

| VHF (Low) | | | | VHF (High) | | | |
|-----------|--------|--------|-------|------------|-------|--------|--------|
| 118.2 | 118.9 | 120.6 | 120.7 | 127.8 | 132.4 | 132.5 | 132.6 |
| 121.0 | 121.2 | 124.0 | 124.1 | 132.7 | 132.8 | 132.15 | 132.95 |
| 124.2 | 125.1 | 125.8 | 125.9 | 133.05 | 133.4 | 133.65 | 133.75 |
| 126.0 | 126.4 | 126.6 | 126.8 | 133.85 | 134.8 | 134.35 | 134.95 |
| 126.9 | 126.95 | 127.05 | 127.2 | 135.2 | | | |
| 128.0 | 128.1 | 128.2 | 128.3 | | | | |
| 128.4 | 132.5 | 132.8 | 132.9 | | | | |
| 134.7 | | | | | | | |

INDIANAPOLIS

| VHF (Low) | | | | VHF (High) | | | |
|-----------|-------|-------|--------|------------|--------|--------|--------|
| 118.2 | 124.2 | 124.4 | 124.8 | 128.25 | 132.7 | 133.05 | 133.45 |
| 126.0 | 127.0 | 127.1 | 127.3 | 133.75 | 134.35 | 134.75 | 134.9 |
| 127.4 | 128.3 | 128.4 | 128.55 | 134.95 | | | |
| 128.8 | 132.2 | 132.6 | 135.1 | | | | |
| 135.7 | 135.8 | | | | | | |

Center SECTOR Discrete Frequencies

JACKSONVILLE

| VHF (Low) | | | | VHF (High) | | | |
|-----------|-------|-------|-------|------------|--------|--------|--------|
| 118.6 | 119.2 | 120.2 | 120.6 | 127.6 | 128.45 | 132.1 | 132.2 |
| 124.3 | 125.1 | 125.5 | 126.5 | 132.65 | 133.25 | 133.95 | 134.25 |
| 126.9 | 127.2 | 128.1 | 128.5 | 134.75 | 134.85 | 135.4 | 135.05 |
| 132.3 | 132.5 | 132.8 | 133.4 | 135.25 | 135.55 | 135.65 | |
| 133.5 | 134.3 | 134.7 | | | | | |

KANSAS CITY

| VHF (Low) | | | | VHF (High) | | | |
|-----------|-------|--------|--------|------------|--------|-------|--------|
| 118.4 | 118.8 | 119.0 | 119.2 | 132.25 | 132.65 | 132.9 | 132.95 |
| 119.7 | 120.2 | 120.3 | 121.0 | 133.15 | 133.45 | 133.8 | 134.3 |
| 123.8 | 124.1 | 124.3 | 124.4 | 134.7 | 135.45 | 135.0 | 135.25 |
| 125.1 | 125.2 | 125.3 | 125.30 | 135.4 | | | |
| 125.5 | 125.9 | 127.4 | 127.5 | | | | |
| 127.6 | 127.7 | 127.8 | 128.1 | | | | |
| 128.4 | 128.6 | 132.10 | 134.6 | | | | |
| 134.9 | | | | | | | |

LOS ANGELES

| VHF (Low) | | | | VHF (High) | | | |
|-----------|-------|--------|-------|------------|--------|--------|--------|
| 119.0 | 123.9 | 124.2 | 125.8 | 127.9 | 128.3 | 128.6 | 132.15 |
| 125.0 | 126.0 | 126.4 | 126.6 | 133.05 | 133.25 | 133.55 | 134.8 |
| 127.1 | 127.3 | 127.4 | 128.2 | 134.55 | 134.75 | 134.95 | 135.25 |
| 128.4 | 128.8 | 132.3 | 132.5 | 135.45 | | | |
| 132.6 | 133.4 | 133.8 | 134.2 | | | | |
| 134.4 | 134.6 | 135.05 | | | | | |

MEMPHIS

| VHF (Low) | | | | VHF (High) | | | |
|-----------|-------|--------|-------|------------|--------|--------|-------|
| 118.6 | 119.3 | 120.1 | 124.4 | 132.35 | 133.0 | 133.55 | 133.6 |
| 124.6 | 125.4 | 127.1 | 127.2 | 134.25 | 134.45 | 134.9 | 135.3 |
| 127.25 | 127.3 | 127.4 | 127.6 | 135.5 | 135.7 | | |
| 127.75 | 128.0 | 128.05 | 128.7 | | | | |
| 132.1 | 132.3 | 132.5 | | | | | |

MIAMI

| VHF (Low) | | | | VHF (High) | | | |
|-----------|-------|-------|--------|------------|--------|-------|--------|
| 118.9 | 120.0 | 120.3 | 124.1 | 125.7 | 127.7 | 132.7 | 132.15 |
| 124.4 | 124.5 | 124.7 | 125.4 | 132.95 | 133.65 | 133.8 | 134.35 |
| 125.6 | 125.8 | 126.0 | 126.4 | 134.5 | 134.95 | 135.5 | |
| 127.0 | 127.3 | 127.4 | 128.25 | | | | |

MINNEAPOLIS

| VHF (Low) | | | | VHF (High) | | | |
|-----------|-------|-------|-------|------------|--------|--------|--------|
| 120.3 | 120.9 | 125.5 | 125.9 | 132.15 | 133.4 | 133.55 | 133.65 |
| 126.0 | 126.1 | 127.1 | 127.2 | 133.85 | 134.25 | 134.45 | 134.8 |
| 127.3 | 127.8 | 127.9 | 128.2 | 134.55 | 135.45 | 135.7 | |
| 128.4 | 128.6 | 132.1 | 132.6 | | | | |
| 134.6 | 134.8 | | | | | | |

VHF (Low)

Center SECTOR Discrete Frequencies

NEW YORK

| VHF (Low) | | | | VHF (High) | | | |
|-----------|-------|--------|-------|------------|--------|--------|--------|
| 119.6 | 119.8 | 120.0 | 120.2 | 132.1 | 132.3 | 132.95 | 132.75 |
| 124.1 | 124.2 | 124.8 | 125.1 | 133.8 | 133.9 | 134.8 | 135.45 |
| 125.3 | 125.4 | 125.5 | 125.6 | 135.55 | 135.75 | | |
| 126.0 | 126.4 | 126.6 | 126.8 | | | | |
| 127.95 | 128.2 | 128.3 | 128.5 | | | | |
| 128.65 | 128.7 | 132.6 | 134.6 | | | | |
| 135.1 | 135.6 | 135.65 | | | | | |

OAKLAND

| VHF (Low) | | | | VHF (High) | | | |
|-----------|-------|--------|-------|------------|--------|-------|--------|
| 118.4 | 120.2 | 120.4 | 120.6 | 128.15 | 132.05 | 132.8 | 132.65 |
| 121.2 | 123.8 | 123.9 | 124.2 | 132.85 | 132.95 | 133.3 | 133.7 |
| 124.6 | 125.5 | 125.7 | 125.9 | 133.75 | 134.35 | 134.7 | |
| 126.5 | 126.8 | 127.05 | 127.3 | | | | |
| 127.2 | 127.5 | 127.7 | 127.8 | | | | |
| 128.7 | | | | | | | |

SALT LAKE CITY

| VHF (Low) | | | | VHF (High) | | | |
|-----------|--------|-------|-------|------------|--------|--------|--------|
| 120.3 | 123.8 | 124.0 | 124.4 | 132.25 | 132.40 | 132.5 | 132.55 |
| 124.5 | 125.3 | 126.4 | 126.6 | 132.75 | 133.25 | 133.45 | 134.15 |
| 127.4 | 127.40 | 128.4 | 133.1 | 134.25 | 134.85 | 135.7 | |

SEATTLE

| VHF (Low) | | | | VHF (High) | | | |
|-----------|-------|-------|-------|------------|--------|--------|-------|
| 120.3 | 120.9 | 121.2 | 124.1 | 120.3 | 121.2 | 125.1 | 125.6 |
| 124.3 | 125.1 | 125.3 | 125.6 | 133.0 | 133.5 | 133.65 | 133.9 |
| 125.8 | 126.0 | 128.1 | 132.1 | 134.65 | 134.75 | 134.95 | |
| 132.6 | 133.0 | 133.5 | | | | | |

WASHINGTON

| VHF (Low) | | | | VHF (High) | | | |
|-----------|--------|-------|--------|------------|--------|--------|--------|
| 118.6 | 119.4 | 119.6 | 120.3 | 128.05 | 132.55 | 132.85 | 133.0 |
| 121.0 | 123.9 | 124.0 | 124.5 | 133.15 | 133.55 | 133.65 | 133.85 |
| 124.7 | 124.9 | 125.2 | 125.8 | 134.4 | 135.2 | | |
| 126.4 | 127.1 | 127.6 | 128.15 | | | | |
| 128.6 | 132.15 | 132.4 | 133.25 | | | | |
| 134.3 | 135.0 | 135.4 | | | | | |

SAN JUAN

| VHF (Low) | | VHF (High) | |
|-----------|-------|------------|-------|
| 119.9 | 120.3 | 121.5 | 125.0 |

Flight Service Stations (FSS) provide information on airport conditions, radio aids and other facilities, and process flight plans. Airport Advisory Service is provided at the pilot's request on 122.2T by FSSs located at airports where there are not control towers in operation. (See Section II-ARRIVALS)

In addition, they provide an aviation weather briefing service. Flight and weather briefing service is provided on the telephone numbers listed. The telephone area code number is shown in parentheses. Each number given is the preferred telephone number to obtain flight weather information. Automatic answering devices are sometimes used on listed lines to give general local weather information during peak workloads. To avoid getting the recorded general weather announcement, use the selected telephone number listed.

- ★ Indicates Pilot's Automatic Telephone Weather Answering Service (PATWAS) available, providing transcribed aviation weather information.

ALABAMA

| Location | | Area Code | Telephone |
|----------------------------|-----|-----------|------------|
| Anniston..... | FSS | (205) | 831-2303 |
| Birmingham..... | FSS | (205) | 595-6151 ■ |
| | WB | (205) | 595-2101 ★ |
| Dothan..... | FSS | (205) | 794-6683 |
| Huntsville..... | FSS | (205) | 536-1254 |
| | WB | (205) | 881-2761 ◆ |
| Mobile (Bates)..... | FSS | (205) | 342-1177 |
| | WB | (205) | 342-2762 ◆ |
| Montgomery (Dannelly)..... | FSS | (205) | 269-4368 |
| | WB | (205) | 263-0621 ◆ |
| Muscle Shoals..... | FSS | (205) | 383-6541 |
| | WB | (205) | 383-6657 |
| Tuscaloosa..... | FSS | (205) | 758-3628 |

ARIZONA

| | | | |
|------------------------------|-----|-------|------------|
| Douglas (Bisby-Douglas)..... | FSS | (602) | EM 4-5353 |
| Flagstaff..... | WB | (602) | 774-1424 |
| Phoenix (Sky Harbor)..... | FSS | (602) | 261-4295 ■ |
| | WB | (602) | 261-3868 ◆ |
| Prescott..... | FSS | (602) | HI 5-2160 |
| Tucson..... | FSS | (602) | 294-1463 ■ |
| Winslow..... | WB | (602) | 289-3592 |
| Yuma..... | FSS | (602) | 725-2601 ■ |

ARKANSAS

| | | | |
|---------------------------|-----|-------|-----------|
| El Dorado (Goodwin)..... | FSS | (501) | UN 3-9313 |
| Fayetteville (Drake)..... | FSS | (501) | HI 2-8277 |

- ◆ Indicates a restricted number, use for aviation weather information

- Call FSS for "one call" FSS/WBAS briefing service.

Flight Service Stations are listed alphabetically, by state. The airport name, on which the FSS is located, is shown in parentheses when different from the FSS name

Standard Flight Service Station civil communications frequencies are: 122.7 122.2T 122.1R 123.6 and emergency 121.5. These frequencies are normally available at all stations listed.

ARKANSAS (Con't)

| Location | | Area Code | Telephone |
|--------------------------|-----|-----------|------------|
| Ft. Smith..... | FSS | (501) | MI 6-1791 |
| | WB | (501) | 646-5731 |
| Harrison..... | FSS | (501) | EM 5-3433 |
| Little Rock..... | WB | (501) | 374-1546 ◆ |
| Pine Bluff (Grider)..... | FSS | (501) | JE 5-0652 |
| Texarkana..... | FSS | (501) | 774-6221 |
| Walnut Ridge..... | FSS | (501) | TU 6-6671 |

CALIFORNIA

| | | | |
|-------------------------------------|-----|-------|-------------------|
| Arcata..... | FSS | (707) | TE 9-2071 |
| Bakersfield (Meadows)..... | FSS | (805) | 399-1787 ■ |
| | | | 399-3815 |
| Bishop..... | WB | (714) | 873-3213 |
| | | | (0545-1915) |
| Blue Canyon..... | WB | | Emigrant Gap 2721 |
| | | | (0545-1415) |
| Blythe..... | FSS | (714) | 948-6638 |
| Burbank..... | WB | (213) | 843-3633 |
| | WB | (213) | 848-6206 ◆ |
| Crescent City) (McNamara FLD)..... | FSS | (707) | IN 4-2514 |
| Daggett..... | FSS | (714) | CL4-2223 |
| Eureka..... | WB | (707) | 442-2171 ◆ |
| Fresno (Air Terminal)..... | FSS | (209) | 251-8269 ■ |
| Imperial..... | FSS | (714) | 355-1948 |
| Long Beach..... | FSS | (213) | 432-9874 |
| | WB | (213) | 429-0337 ◆ |
| Los Angeles (International)..... | FSS | (213) | SP 6-2727 |
| | WB | (213) | 670-2223 |
| | WB | (213) | 776-1640/41 ★ |
| Marysville (Yuba Co.)..... | FSS | (916) | 742-1449 |
| Montague (Siskiyou Co.)..... | FSS | (916) | 459-3003 |
| Mt Shasta..... | WB | (916) | 926-2227 |
| | | | (0730-1800) |
| Needles..... | FSS | (714) | 326-3511 |

FSS AND WEATHER BUREAU TELEPHONE NUMBERS

AIM-Apr. 28, 1968

CALIFORNIA (Con't.)

| Location | | Area Code | Telephone |
|---|-----|-----------|---------------------|
| Oakland (Metropolitan-International)..... | FSS | (415) | 638-5714■ |
| | WB | (415) | 832-5418★ |
| | | | (Via San Francisco) |
| Ontario..... | FSS | (714) | 983-2618 |
| Palmdale (USAF Plant No. 42)..... | FSS | (805) | 947-3502 |
| Paso Robles..... | FSS | (805) | 238-2448 |
| Red Bluff (Bidwell)..... | FSS | (916) | 527-0242■ |
| Sacramento..... | FSS | (916) | 428-6500■ |
| Salinas..... | FSS | (408) | 422-4723 |
| San Diego (Lindbergh)..... | FSS | (714) | 296-3181■ |
| San Francisco..... | WB | (415) | 589-6711★ |
| | WB | (415) | 761-2052◆ |
| (So. San Francisco)..... | WB | (415) | 588-3012 |
| Santa Barbara..... | FSS | (805) | 967-2305 |
| Santa Catalina Island..... | WB | | Avalon 703 |
| Santa Maria..... | WB | (805) | 925-3525 |
| | | | (0600-2200) |
| Stockton..... | FSS | (209) | 466-3684■ |
| Thermal..... | FSS | (714) | EX 9-5155 |
| Ukiah..... | FSS | (707) | 462-6136 |

COLORADO

| | | | |
|------------------------------------|-----|-------|-------------|
| Akron..... | FSS | (303) | 345-2271 |
| Alamosa..... | WB | (303) | 589-2547 |
| | | | (0400-2000) |
| Colorado Springs..... | WB | (303) | 632-0535◆ |
| Denver (Stapleton Intl)..... | FSS | (303) | 297-3277■ |
| | WB | (303) | 388-3653★ |
| Eagle..... | FSS | (303) | 328-2125 |
| Grand Junction (Walker Field)..... | FSS | (303) | CH 2-1801■ |
| La Junta..... | FSS | (303) | DU 4-4311 |
| Pueblo (Memorial)..... | FSS | (303) | 948-3301 |
| | WB | (303) | 948-3376◆ |
| Trinidad..... | FSS | (303) | 846-2623 |

CONNECTICUT

| | | | |
|------------------------------------|-----|-------|-------------|
| Bridgeport..... | WB | (203) | 378-2344 |
| Hartford..... | WB | (203) | 247-2855◆ |
| New Haven..... | WB | (203) | 489-2141◆ |
| | | | (0630-1700) |
| Windsor Locks (Bradley Field)..... | FSS | (203) | 623-2416 |
| | WB | (203) | NA 3-5588 |

DELAWARE

| Location | | Area Code | Telephone |
|-----------------|----|-----------|-----------|
| Wilmington..... | WB | (302) | 328-2755◆ |

DISTRICT OF COLUMBIA

| | | | |
|--|-----|-------|-----------|
| Washington (Chantilly, Va.) Dulles Intl (toll) | WB | (202) | 661-8526◆ |
| Washington National..... | FSS | (202) | DI 7-1442 |
| | WB | (202) | 628-0491■ |
| | WB | (202) | 347-8016★ |

■ This line answered by FSS or WB. Caller can be switched to either office upon request.

FLORIDA

| | | | |
|--|------|-------|---------------------------|
| Apalachicola..... | WB | (305) | 653-3171 |
| Crestview..... | FSS | (305) | MU 2-2795 |
| Daytona Beach..... | FSS | (904) | 255-4767 |
| | WB | (904) | 252-5949 |
| Ft. Myers (Page Field)..... | FSS | (813) | 936-1857 |
| | WB | (813) | WE 6-2057 |
| | | | (0600-1400 Apr-Oct) |
| | | | (0600-2200 Nov-Mar) |
| Gainesville..... | FSS | (904) | 376-8521 |
| Jacksonville (Imeson)..... | FSS | (904) | 355-3601■ |
| | WB | (904) | 353-8605★ |
| Key West (International)..... | FSS | (305) | CY 6-2042 |
| | WB | (305) | CY 6-2011 |
| Lakeland..... | WB | (813) | 682-4221 |
| | | | (0600-2400 Nov 15-Mar 15) |
| | | | (0800-1700 Mar 16-Nov 14) |
| Melbourne (J.F.K. Mem'l)..... | FSS | (305) | PA 3-6151 |
| Miami..... | IFSS | (305) | 633-1461■ |
| | WB | (305) | 666-2543★ |
| Orlando (Herndon)..... | FSS | (305) | 841-5101 |
| Pensacola..... | FSS | (305) | HE 8-4390 |
| St Petersburg via Tampa..... | WB | (813) | 894-3086★ |
| Tallahassee..... | FSS | (305) | 224-7101 |
| | WB | (305) | 222-3335 |
| Tampa (Tampa International)..... | FSS | (813) | 877-7503 |
| | WB | (813) | 872-9964★ |
| | WB | (813) | 877-1677◆ |
| Vero Beach..... | FSS | (305) | 562-2167 |
| | | | (305) 464-1817 |
| W Palm Beach (Palm Beach International)..... | FSS | (305) | 832-5887★ |
| | WB | (305) | 883-3832◆ |

GEORGIA

| Location | Area Code | Telephone |
|----------------------------------|-----------|--|
| Albany..... | FSS (912) | 435-6201 |
| Alma..... | FSS (912) | 632-4422 (0600-2200 EST) |
| Athens..... | WB (404) | LI 3-3891 ◆ |
| Atlanta (Fulton Co.)..... | FSS (404) | 344-1551 |
| | WB (404) | 767-0244 ★ |
| | WB (404) | 767-3187 ◆ |
| Augusta (Bush Fld)..... | FSS (404) | 798-5164 |
| | WB (404) | 798-6821 ◆ |
| Brunswick (Malcom McKinnon)..... | FSS (912) | 638-8641 |
| Columbus (Muscogee County)..... | FSS (404) | 322-6458 |
| | WB (404) | 322-1793 ◆ (0630-2045) |
| Macon (Muni)..... | FSS (912) | 788-5064 |
| | WB (912) | 788-1100 ◆ |
| Rome..... | WB (404) | 232-6801 (0700-1300 Mon-Fri) (0700-1100 Sat) |
| Savannah (Travis)..... | FSS (912) | 234-2257/8 |
| | WB (912) | 233-0272 |
| Valdosta..... | FSS (912) | CH 4-2361 |

IDAHO

| | | |
|----------------------------------|-----------|------------|
| Boise (Air Terminal)..... | FSS (208) | 343-2525 ■ |
| Burley..... | FSS (208) | 678-7451 |
| Idaho Falls (Fanning Field)..... | FSS (208) | 522-9024 |
| Malad City..... | FSS (208) | 766-2971 |
| Mullan Pass..... | FSS (208) | PR 5-2001 |
| Lewiston..... | WB (208) | 743-3841 |
| Pocatello..... | FSS (208) | 232-2032 |
| | WB (208) | 233-0143 ◆ |

ILLINOIS

| | | |
|-------------------------------------|-----------|---------------------------|
| Champaign (University of Ill.)..... | FSS (217) | 822-5211 |
| Chicago..... | WB (312) | 686-2155 ◆ |
| | WB (312) | 667-5055 ★ |
| Joliet..... | FSS (815) | 725-3144 |
| | FSS (312) | 242-3111 |
| Moline (Quad City)..... | FSS (309) | 762-2412 |
| | WB (309) | 762-1726 |
| Peoria (Greater Peoria)..... | FSS (309) | 697-0751 |
| | WB (309) | 637-6422 ◆ |
| Quincy (Baldwin)..... | FSS (217) | 885-3251 |
| Rockford (Greater Rockford)..... | FSS (815) | 965-6758 |
| | WB (815) | 963-5816 ◆ (0515-2115) |
| Springfield (Capital)..... | FSS (217) | 544-5012 |
| | WB (217) | 523-5812 ◆ |
| Vandalla..... | FSS (618) | 283-0478 |

INDIANA

| Location | Area Code | Telephone |
|------------------------------------|-----------|------------|
| Evansville (Dress Memorial)..... | FSS (812) | 422-8120 |
| | WB (812) | 424-9613 ◆ |
| Ft. Wayne (Baer Field)..... | FSS (219) | 747-3139 |
| | WB (219) | 747-2577 ◆ |
| Indianapolis (Weir-Cook)..... | FSS (317) | 244-3316 ■ |
| | WB (317) | 244-2411 ★ |
| Lafayette (Purdue University)..... | FSS (317) | 743-1802/3 |
| South Bend (St. Joseph Co.)..... | FSS (219) | CE 3-4433 |
| | WB (219) | 234-3937 ◆ |
| Terre Haute (Hulman)..... | FSS | C-2704 |

IOWA

| | | |
|----------------------------------|-----------|-------------------------|
| Burlington..... | FSS (319) | 752-4734 |
| Cedar Rapids..... | FSS (319) | 364-3041 |
| Davenport (via Moline Ill.)..... | WB (319) | 326-2677 |
| Des Moines..... | FSS (515) | 285-5691 |
| | WB (515) | 284-4493 ◆ |
| Dubuque..... | WB (319) | 582-3171 (0545-2105) |
| Mason City..... | FSS (515) | GA 3-7512 |
| Ottumwa..... | FSS (515) | MU 2-1846 |
| Sioux City..... | FSS (712) | 258-1060 |
| | WB (712) | 252-0244 ext 210 |
| Waterloo..... | FSS (319) | AD 3-5528 |
| | WB (319) | 234-9902 |

KANSAS

| | | |
|----------------------------------|-----------|---|
| Concordia..... | WB (913) | 243-3141 |
| Chanute..... | FSS (316) | HE 1-4450 |
| Dodge City..... | FSS (316) | HU 3-3441 |
| | WB (316) | 483-3311 |
| Emporia..... | FSS (316) | DI 2-7475 |
| Garden City (New Municipal)..... | FSS (316) | BR 6-2531 |
| Goodland..... | FSS (913) | TW 9-7154 |
| | WB (913) | 899-2360 ◆ |
| Hill City..... | FSS (913) | 674-5642 |
| Hutchinson..... | FSS (316) | 2-4851 |
| Manhattan..... | FSS (913) | PR 8-2162 (0700-1900) (Other hrs. Salina) LC PR 6-9751 |
| Russell..... | FSS (913) | 483-2312 |
| Salina..... | FSS (913) | TA 5-5309 |
| Topeka (Phillip Billard)..... | FSS (913) | 232-5478 |
| | WB (913) | CE 4-8659 ◆ |
| Wichita..... | FSS (316) | 942-2261/2 |
| | WB (316) | 942-3284 ★ |
| | WB (316) | 943-1063 ◆ |

KENTUCKY

| Location | Area Code | Telephone |
|-------------------------------------|-----------|------------|
| Bowling Green (Warren County)..... | FSS (502) | 843-4424 |
| Erlanger (Gtr Cincinnati Arpt)..... | WB (513) | 381-8195 ♦ |
| Lexington (Blue Grass)..... | FSS (606) | 254-5143 |
| | WB (606) | 255-1774 ♦ |
| London..... | FSS (606) | 864-4410 |
| Louisville (Bowman)..... | FSS (502) | 451-5344 |
| | WB (502) | 368-2188 ♦ |
| Paducah (Barkley)..... | FSS (502) | 442-1551 |

LOUISIANA

| | | |
|--------------------------------------|-----------|------------|
| Alexandria..... | FSS (318) | 445-3663 ■ |
| Baton Rouge (Ryan)..... | FSS (504) | EL 5-2763 |
| | WB (504) | 357-9943 ♦ |
| Lafayette..... | FSS | CE 5-3752 |
| | WB | 234-1220 ♦ |
| Lake Charles..... | FSS (318) | 477-1784 |
| | WB (318) | 477-5227 ♦ |
| Monroe..... | FSS (318) | 322-3157 |
| New Orleans..... | FSS (504) | 943-5535 |
| | WB (504) | 523-4311 ★ |
| | WB (504) | 729-2520 ♦ |
| Shreveport (Greater Shreveport)..... | FSS (318) | ME 1-3661 |
| | WB (318) | 631-1141 ♦ |

MAINE

| | | |
|---------------------------------------|-----------|------------|
| Augusta (State)..... | FSS (207) | 622-6491 |
| Caribou..... | WB (207) | 496-8931 |
| Houlton (Memorial International)..... | FSS (207) | 532-2475 |
| Millinocket..... | FSS (207) | 723-8343 |
| Old Town..... | FSS (207) | 827-2363 |
| | FSS (207) | 827-4010 |
| Portland..... | FSS (207) | SP 5-0602 |
| | WB (207) | 775-3071 ♦ |

MARYLAND

| | | |
|-------------------------------------|-----------|------------|
| Baltimore..... | WB (301) | 761-1333 ♦ |
| | WB (301) | 766-0757 ★ |
| Salisbury (Salisbury-Wicomico)..... | FSS (301) | 742-7324 |

MASSACHUSETTS

| | | |
|---------------------|-----------|-------------|
| Boston (Logan)..... | FSS (617) | LO 7-0099 ■ |
| | FSS (617) | LO 7-0015 ■ |
| | WB (617) | 569-1773 ★ |
| Nantucket..... | FSS (617) | 228-0815 ■ |
| | WB (617) | 228-0971 |
| Worcester..... | FSS (617) | PL 5-6083 |
| | WB (617) | 798-2124 ♦ |
| | | (0600-2200) |

MICHIGAN

| Location | Area Code | Telephone |
|---------------------------------------|-----------|-------------|
| Alpena..... | WB (517) | 354-8733 ♦ |
| | | (0645-1915) |
| Battle Creek (Kellogg)..... | FSS (616) | 2-7878 |
| Detroit (Metropolitan Wayne)..... | FSS (313) | PA 2-8790 |
| | WB (313) | 274-5310 ★ |
| | WB (313) | 278-7340 ♦ |
| Detroit (Willow Run)..... | WB (313) | 482-5001 ♦ |
| Flint (Bishop)..... | FSS (313) | CE 3-6250 |
| | WB (313) | CE 4-3987 ♦ |
| Grand Rapids (Kent County)..... | FSS (616) | 949-4090 |
| | WB (616) | 949-4251 ♦ |
| Houghton (Houghton County)..... | FSS (906) | 482-0380 |
| Houghton Lake (Roscommon County)..... | WB (517) | 366-5392 |
| Jackson (Reynolds Mun.)..... | FSS (517) | ST 4-9640 |
| Lansing (Capital City)..... | FSS (517) | 482-9237 |
| | WB (517) | 489-2415 ♦ |
| Marquette..... | FSS (906) | GR 5-4197 |
| | WB (906) | 226-8642 ♦ |
| | | (0500-2100) |
| Muskegon (Muskegon County)..... | FSS (616) | 798-1222 |
| | WB (616) | 798-3048 |
| Pellston (Emmet County)..... | FSS (616) | LE 9-8401 |
| Saginaw (Tri City)..... | FSS (517) | OX 5-6621 |
| Saulte Ste Marie..... | FSS (906) | 632-8271 |
| | WB (906) | 632-9461 |
| Traverse City..... | FSS (616) | 947-5056 |
| Ypsilanti..... | WB (313) | 482-5001 |

MINNESOTA

| | | |
|-------------------------------------|-----------|-------------|
| Alexandria..... | FSS (612) | 763-3710 |
| Duluth..... | WB (218) | 722-7982 ♦ |
| Hibbing (Chisholm-Hibbing)..... | FSS (218) | 262-1820 |
| International Falls..... | WB (218) | 285-5151 |
| Minneapolis (Wold-Chamberlain)..... | FSS (612) | PA 9-9386 |
| | FSS (612) | PA 9-1957 |
| | WB (612) | PA 9-4429 ♦ |
| | WB (612) | 729-9339 ★ |
| Redwood Falls..... | FSS (507) | 637-8530 |
| Rochester..... | FSS (507) | 289-1579 |
| | WB (507) | 289-0026 ♦ |
| St. Cloud..... | WB (612) | 251-3213 |
| | | (0400-2200) |

St. Paul (See: Minneapolis)

MISSISSIPPI

| | | |
|-------------------------------|-----------|------------|
| Greenwood..... | FSS (601) | GL 3-2631 |
| Jackson (Thompson Field)..... | FSS (601) | 939-5212 |
| | WB (601) | 939-5881 ♦ |

MISSISSIPPI (Con't.)

| Location | Area Code | Telephone |
|---------------------------|-----------|---------------------------|
| McComb (Pike County)..... | FSS (601) | 684-7070 |
| Meridian (Key Field)..... | FSS (601) | 482-1243 |
| | WB (601) | 483-3725 ◆ |
| Vicksburg..... | WB (601) | 636-1193 |
| | | (0630-1530 Mon-Fri) |
| | | (0630-1130 Sat, Holidays) |
| | | (clsd Sunday) |

MISSOURI

| | | |
|--------------------------------------|-----------|-------------|
| Cape Girardeau..... | FSS (314) | ED 4-2803 |
| Columbia..... | FSS (314) | 449-1136/7 |
| | WB (314) | 443-4332 |
| Joplin..... | FSS (417) | MA 3-6868 |
| Kansas City..... | FSS (816) | GR 1-5484 ■ |
| | WB (816) | 471-2131 ★ |
| Kirksville..... | FSS (816) | MO 5-4132 |
| St. Joseph (Rosecrans Memorial)..... | FSS (816) | BR 9-2394 |
| St. Louis (Lambert)..... | FSS (314) | PE 1-4411 |
| | WB (314) | 731-3001 ◆ |
| | WB (314) | PE 1-3004 ★ |
| | WB (314) | 848-3303 ★ |
| | | (Hazlewood) |
| Springfield..... | FSS (417) | 862-3588 ■ |
| Vichy (Rolla National)..... | FSS (314) | AX 9-3677 |

MONTANA

| | | |
|----------------------------------|-----------|-------------|
| Billings (Logan Field)..... | FSS (406) | 259-4545 ■ |
| Bozeman (Gallatin Field)..... | FSS (406) | 586-6520 |
| Butte (Silver Bow)..... | FSS (406) | 723-3004 |
| Cut Bank..... | FSS (406) | 938-4522 |
| Dillon..... | FSS (406) | 683-5651 |
| Glasgow..... | WB (406) | 228-8395 |
| | | (0300-2400) |
| Great Falls (International)..... | FSS (406) | 452-6495 |
| | WB (406) | 453-3512 ◆ |
| Havre..... | WB (406) | 265-6424 |
| | | (0430-1315) |
| Helena..... | FSS (406) | 442-9902 |
| | WB (406) | 442-8260 |
| Kalispell..... | WB (406) | 756-4829 |
| Lewistown..... | FSS (406) | 538-3639 |
| Livingston (Mission Field)..... | FSS (406) | 222-2411 |
| Miles City..... | FSS (406) | 232-1503 |
| Missoula (Missoula City)..... | FSS (406) | 542-2230 |
| | WB (406) | 543-7996 ◆ |

NEBRASKA

| Location | Area Code | Telephone |
|------------------------------|-----------|-------------|
| Chadron..... | FSS (308) | HE 2-3153 |
| Grand Island..... | FSS (308) | 382-5196 |
| | WB (308) | 384-1907 |
| Imperial..... | FSS (308) | TU 2-4887 |
| Lincoln (Mun/AFB)..... | FSS (402) | 477-3929 ■ |
| Norfolk..... | WB (402) | 371-3386 |
| | | (0530-2130) |
| North Platte (Lee Bird)..... | FSS (308) | LE 2-4034 ■ |
| Omaha (Eppley)..... | FSS (402) | 341-6178 ■ |
| | WB (402) | 342-3603 ★ |
| Scottsbluff..... | FSS (308) | 635-2615 |
| | WB (308) | 632-6822 |
| Sidney..... | FSS (308) | 254-3130 |
| Valentine..... | WB (402) | 376-3442 |

NEVADA

| | | |
|-----------------------------|-----------|--------------|
| Elko..... | FSS (702) | 738-6506 ■ |
| Ely (Yelland Field)..... | FSS (702) | 264-2045 |
| | WB (702) | 264-2403 |
| Las Vegas (McCarran)..... | FSS (702) | 736-1573/4 ■ |
| Lovelock (Derby Field)..... | FSS (702) | CR 3-2448 |
| Reno..... | FSS (702) | 784-5414 |
| | WB (702) | 784-5402 ◆ |
| Tonopah (Nye County)..... | FSS (702) | 482-6421 |
| Winnemucca..... | WB (702) | 623-2203 |

NEW HAMPSHIRE

| | | |
|-------------------------|-----------|-------------|
| Concord..... | FSS (603) | 224-7474 |
| | WB (603) | 225-5191 |
| | | (0500-1900) |
| Lebanon (Regional)..... | FSS (603) | 298-8360 |

NEW JERSEY

| | | |
|--------------------|-----------|----------------|
| Atlantic City..... | WB (609) | 641-4327 ◆ |
| Millville..... | FSS (609) | 825-1173 |
| Newark..... | WB (201) | 624-8118 |
| | | 624-7272 ★ |
| | | (Via New York) |
| Teterboro..... | FSS (201) | 288-9092 |

NEW MEXICO

| | | |
|------------------|-----------|---------------------|
| Albuquerque..... | FSS (505) | 243-7831 ■ |
| | WB (505) | 242-2661 ★ |
| Carlsbad..... | FSS (505) | TU 5-2042 |
| Clayton..... | WB (505) | 374-9511 |
| | | (0430-1130 Mon-Fri) |
| | | (0430-0930 Sat) |

NEW MEXICO (Con't.)

| Location | | Area Code | Telephone |
|----------------------------|-----|-----------|---------------------------------|
| Deming..... | FSS | (505) | 546-2726 |
| Farmington..... | FSS | (505) | DA 5-9271 |
| Grants..... | FSS | (505) | AT 7-3011 |
| Hobbs (Lea County)..... | FSS | (505) | EX 3-3222 |
| Las Vegas..... | FSS | (505) | GA 5-7411 |
| Raton..... | WB | (505) | 445-3891 (0545-1225) |
| Roswell..... | FSS | (505) | 622-6780■ |
| Santa Fe..... | FSS | (505) | YU 3-6581 |
| Silver City..... | WB | (505) | 538-9023 (0530-2000 Mon-Fri) |
| Truth or Consequences..... | FSS | (505) | 894-3277 |
| Tucumcari..... | FSS | (505) | 461-2900 |
| Zuni..... | FSS | (505) | 782-3770 |

NEW YORK

| | | | |
|---|------|-------|-------------|
| Albany (Albany County)..... | FSS | (518) | 869-9225 |
| | WB | (518) | UN 9-9173 ◆ |
| Binghamton (Broome County)..... | FSS | (607) | RA 9-6145 |
| | WB | (607) | 797-0784 ◆ |
| Buffalo (Greater Buffalo)..... | FSS | (716) | NF 2-6083■ |
| | WB | (716) | 632-5042 ★ |
| Elmira (Chemung County)..... | FSS | (607) | RE 9-2471 |
| Glens Falls (Warren County)..... | FSS | (518) | RX 3-2593 |
| Islip (Long Island)..... (New York) | FSS | (516) | JU 8-1061 |
| | FSS | (914) | 723-4330 |
| | FSS | (212) | 995-8657 |
| Massena..... | FSS | (315) | RO 9-2033 |
| New York (John F. Kennedy Intl)..... | IFSS | (212) | 995-8659 |
| | WB | (212) | 656-7474 ★ |
| New York (John F. Kennedy Intl and LaGuardia) | WB | (212) | 995-9151 ◆ |
| Poughkeepsie (Dutchess County)..... | FSS | (914) | 462-3400 |
| Rochester (Monroe County)..... | FSS | (716) | BE 5-5625 |
| | WB | (716) | FA 8-7391 ◆ |
| Syracuse (Hancock)..... | FSS | (315) | GL 4-2479 |
| | WB | (315) | 454-1214 ◆ |
| Utica (Oneida)..... | FSS | (315) | RE 6-9023 |
| Watertown..... | FSS | (315) | NE 9-3321 |

NORTH CAROLINA

| | | | |
|---|-----|-------|------------|
| Asheville..... | FSS | (704) | 684-4401 |
| | WB | (704) | 684-6906 ◆ |
| Cape Hatteras..... | WB | (919) | 995-2321 |
| Charlotte..... | WB | (704) | 399-6000 ◆ |
| Durham..... | WB | (919) | 596-2326 |
| Elizabeth City (Coast Guard Air Station)..... | FSS | (919) | 338-3808 |
| Fayetteville (Grannis Field)..... | FSS | (919) | 483-7904 |
| Greensboro..... | WB | (919) | 299-9499 ◆ |
| Hickory..... | FSS | (704) | DA 7-8281 |

NORTH CAROLINA (Con't.)

| | | | |
|--------------------------------------|-----|-------|--|
| High Point..... | WB | (919) | 883-1927 (Answered in Greensboro) |
| New Bern (Simmons-Nott)..... | FSS | (919) | ME 7-2080 |
| Raleigh-Durham..... | FSS | (919) | 787-4289 |
| | WB | (919) | 787-4092 ◆ 596-2446 (Durham Exchange) 275-6341 (Greensboro Exchange) |
| Rocky Mount..... | FSS | (919) | 446-6637 |
| Wilmington (New Hanover County)..... | FSS | (919) | 762-7567 |
| | WB | (919) | 762-3240 |
| Winston-Salem..... | FSS | (919) | 725-1731 |
| | WB | (919) | 724-2208 ◆ |

NORTH DAKOTA

| | | | |
|----------------------------------|-----|-------|---------------------------|
| Bismarck..... | FSS | (701) | CA 3-8790 |
| | WB | (701) | 223-0920 ◆ |
| Dickinson..... | FSS | (701) | 224-2989 |
| Fargo (Hector)..... | FSS | (701) | AD 5-8894 |
| | WB | (701) | 232-1584 ◆ |
| Grand Forks (International)..... | FSS | (701) | 772-7201 |
| Jamestown..... | FSS | (701) | CL 2-4350 |
| Minot (International)..... | FSS | (701) | 833-8112 |
| Williston..... | WB | (701) | 572-3198 ◆ (0445-2045) |

OHIO

| | | | |
|---------------------------|-----|-------|-----------------------------------|
| Akron..... | FSS | (216) | ST 4-1246/7 |
| | WB | (216) | 896-2246 ◆ |
| Canton..... | WB | (216) | 499-7933 ◆ |
| Cincinnati (Lunken)..... | FSS | (513) | 321-1434 |
| | WB | (513) | 381-2300 ★ |
| | WB | (513) | 381-6706 ◆ |
| (Greater Cincinnati)..... | WB | (513) | 684-2129 ◆ |
| | WB | (606) | 283-3696 ◆ |
| Cleveland (Hopkins)..... | FSS | (216) | 267-0149■ |
| | WB | (216) | 267-3410 ★ |
| Columbus..... | FSS | (614) | 237-8478■ |
| Dayton..... | FSS | (513) | 898-4639 |
| | WB | (513) | 898-4620 ◆ (Vandalia Exchange) |
| Findlay..... | FSS | (419) | GA 2-3237 |
| Mansfield..... | FSS | (419) | 524-5323 |
| | WB | (419) | 522-7070 (0600-1800) |
| Toledo (Express)..... | FSS | (419) | 242-4171 |
| | WB | (419) | 259-6454 ◆ |
| Youngstown..... | FSS | (216) | 539-5121 |
| | FSS | (216) | 856-4806 |
| | WB | (216) | 545-2447 |
| Zanesville..... | FSS | (614) | 452-8611 |

OKLAHOMA

| Location | Area Code | Telephone |
|---|-----------|------------|
| Ardmore..... | FSS (405) | CA 3-6772 |
| | FSS (405) | DU 9-5441 |
| Gage..... | FSS (405) | 923-2601 |
| Hobart..... | FSS (405) | GE 6-4234 |
| McAlester..... | FSS (918) | GA 3-4091 |
| Oklahoma City (Will Rogers)..... | FSS (405) | SU 9-7452 |
| | WB (405) | 685-4433 ★ |
| | WB (405) | 685-6350 ◆ |
| (Answered personally after PATWAS message.) | | |
| Ponca City..... | FSS (405) | RO 5-5485 |
| Tulsa..... | FSS (918) | TE 8-3316 |
| | WB (918) | 835-2364 ★ |

OREGON

| | | |
|-------------------------------------|-----------|-------------|
| Astoria..... | WB (503) | 861-2722 |
| Baker..... | FSS (503) | 523-2961 |
| Eugene (Mahlon-Sweet)..... | FSS (503) | 343-7738 |
| | WB (503) | 344-0141 ◆ |
| Klamath Falls (Kingsley Field)..... | FSS (503) | TU 4-8223 |
| | WB (503) | 882-5060 |
| | | (0800-1600) |
| Meacham..... | WB (503) | Meacham 2 |
| | | (0700-1500) |
| Medford..... | FSS (503) | 772-6523 |
| | WB (503) | 773-1525 ◆ |
| North Bend..... | FSS (503) | 756-4916 |
| Pendleton..... | FSS (503) | 276-1761 |
| | WB (503) | 276-1852 |
| Portland (International)..... | FSS (503) | AT 2-7293 ■ |
| | WB (503) | 282-2285 ★ |
| Redmond (Roberts Field)..... | FSS (503) | 548-2522 |
| Salem..... | WB (503) | 363-6151 |
| The Dalles..... | FSS (509) | PO 7-1187 |

PENNSYLVANIA

| | | |
|---|-----------|------------|
| Allentown (Bethlehem-Easton)..... | FSS (215) | 264-4539 |
| | WB (215) | 264-2241 |
| Altoona (Blair)..... | FSS (814) | 793-3113 |
| Bradford (Bradford-McKean)..... | FSS (814) | 362-8860 |
| DuBois..... | FSS (814) | 328-2231 |
| Erie (Port Erie)..... | FSS (814) | 833-1345 |
| | WB (814) | 833-1991 ◆ |
| Harrisburg (Harrisburg-York State)..... | FSS (717) | 233-5987 |
| | WB (717) | 233-7315 ◆ |

PENNSYLVANIA (Con't)

| Location | Area Code | Telephone |
|---|-----------|--------------------------------|
| Philadelphia (North Philadelphia)..... | FSS (215) | OR 3-8020 |
| | WB (215) | 726-7511 ◆ |
| | WB (215) | 726-3503 ★ |
| | | (0600-2300) |
| Philipsburg (Mid-State)..... | FSS (814) | 342-0830 |
| Pittsburgh (Allegheny)..... | FSS (412) | 461-8250 |
| | WB (412) | 462-5385 ★ |
| | WB (412) | 462-5586 ★ |
| Pittsburgh (Greater Pittsburgh)..... | WB (412) | 771-2855 ◆ |
| Reading..... | WB (215) | 376-4103 ◆ |
| | | (0800-0900 Sun, 0700-noon Sat) |
| | | (0700-1630 Mon-Fri) |
| Scranton..... | WB (717) | 457-5650 ◆ |
| Wilkes-Barre (Wilkes-Barre/Scranton)..... | FSS (717) | 457-9600 |
| | WB (717) | 457-5650 ◆ |
| | | (toll call) |
| Williamsport (Williamsport/Lycoming)..... | FSS (717) | 368-8547 |
| | WB (717) | 368-1866 ◆ |

RHODE ISLAND

| | | |
|-------------------------|-----------|------------|
| Providence (Green)..... | FSS (401) | RE 7-5300 |
| | WB (401) | 737-0051 ◆ |

SOUTH CAROLINA

| | | |
|-------------------------|-----------|----------------------|
| Anderson..... | FSS (803) | 225-7501 |
| | FSS (803) | 225-5031 ◆ |
| Charleston..... | FSS (803) | 747-5293 ■ |
| | WB (803) | 744-8281 ◆ |
| Columbia..... | WB (803) | 794-4054 ◆ |
| Crescent Beach..... | FSS (803) | 448-7187 |
| (Myrtle Beach) | | (0800-2000) |
| Florence..... | FSS (803) | 662-8197 |
| Greer (Greenville)..... | FSS (803) | Greenville |
| | | 239-3738 ■ |
| | | Spartanburg 585-5470 |

SOUTH DAKOTA

| | | |
|--------------------------|-----------|-------------------|
| Aberdeen..... | FSS (605) | 225-5264 |
| | WB (605) | 225-7157 ◆ |
| Huron (W. W. Howes)..... | FSS (605) | 352-3806 ■ |
| Pierre..... | FSS (605) | 224-5894 |
| Rapid City..... | FSS (605) | FI 2-2280 |
| | WB (605) | 342-1160 |
| | | (0700-2300 daily) |

FSS AND WEATHER BUREAU TELEPHONE NUMBERS

AIM-Apr. 28, 1966

SOUTH DAKOTA (Con't)

| Location | | Area Code | Telephone |
|------------------|-----|-----------|------------|
| Sioux Falls..... | FSS | (605) | ED 8-4841 |
| | WB | (605) | 338-1441 ◆ |
| Watertown..... | FSS | (605) | TU 6-4581 |

TENNESSEE

| | | | |
|---|-----|-------|-------------------------|
| Blountville..... | WB | (615) | 323-8752 ◆ |
| Bristol..... | WB | (615) | 323-8242 ◆ |
| Chattanooga..... | WB | (615) | 892-3747 ◆ |
| Crossville (Crossville-Cumberland)..... | FSS | (615) | 484-6711 |
| Dyersburg..... | FSS | (901) | 285-4842 (0600-2200) |
| Jackson (McKeller)..... | FSS | (901) | 427-0611 |
| Johnson City..... | WB | (615) | 323-8242 |
| Kingsport..... | WB | (615) | 323-8242 ◆ |
| Knoxville (McGhee-Tyson)..... | FSS | (615) | 577-0795 |
| | WB | (615) | 577-4805 ◆ |
| (from Maryville) | | (615) | 982-3682 |
| Maryville (See Knoxville) | | | |
| Memphis..... | FSS | (901) | 398-9260/9 |
| | WB | (901) | 398-2347 ★ |
| Nashville (Metropolitan)..... | FSS | (615) | 254-6552/3 |
| | WB | (615) | 255-8732 ★ |
| | WB | (615) | 256-0333 ◆ |
| Tri City..... | FSS | (615) | 323-7242 |

TEXAS

| | | | |
|--|-----|-------|------------------------------|
| Abilene..... | FSS | (915) | OR 4-6915 ■ |
| Alice..... | FSS | (512) | MO 4-4291 |
| Amarillo (Air Terminal)..... | FSS | (806) | 349-1608 ■ |
| Austin (Robert Mueller)..... | FSS | (512) | GR 8-6695 |
| | WB | (512) | 476-8554 |
| Beaumont (Jefferson County)..... | FSS | (713) | RA 2-0288 |
| | WB | (713) | 722-7011 ◆ |
| Brownsville (Rio Grande Valley International)..... | FSS | (512) | LI 6-6421 |
| | WB | (512) | 542-8231 ◆ |
| Childress..... | FSS | (817) | WE 7-3892 |
| College Station (Easterwood)..... | FSS | (713) | VI 6-8784/5 |
| Corpus Christi..... | WB | (512) | 883-3008 ◆ |
| Cotulla..... | FSS | (512) | TR 9-2417 |
| Dalhart..... | FSS | (806) | CH 9-2006 |
| Dallas Love Field..... | FSS | (214) | FL 2-8491 ■ |
| | WB | (214) | 264-3481 ★ |
| | | | (Transcribed from Ft. Worth) |
| Del Rio..... | WB | (512) | 775-2115 |
| El Paso (International)..... | FSS | (915) | 778-4447 |
| | FSS | (915) | 772-7891 ■ |
| | WB | (915) | 778-4487 ★ |

TEXAS (Con't.)

| Location | | Area Code | Telephone |
|----------------------------------|-----|-----------|--------------------------|
| Fort Worth (Meacham)..... | FSS | (817) | MA 4-8471 |
| | WB | (817) | 283-1571 ★ |
| | WB | (817) | 283-3961 ◆ |
| Galveston (Scholes)..... | FSS | (713) | SH 4-3255 |
| | WB | (713) | 763-5670 |
| Gregg County (Longview)..... | FSS | (214) | MI 3-2612 |
| Houston (International)..... | FSS | (713) | MI 5-6693 |
| | WB | (713) | 644-1507 ★ |
| Junction (Kimble Co.)..... | FSS | (915) | HI 6-3214 (0600-1800) |
| Lubbock..... | FSS | (806) | PO 2-5065 |
| | WB | (806) | 762-2380 ◆ |
| Lufkin (Angelena County)..... | FSS | (713) | NE 4-3544 |
| McAllen (Miller Field)..... | FSS | (512) | MU 2-2878/9 |
| Midland (Air Terminal)..... | FSS | (915) | 563-2611 |
| Mineral Wells..... | FSS | (817) | FA 5-5922 |
| Palacios..... | FSS | (713) | 824-2218 |
| Port Arthur..... | WB | (713) | 722-7011 ◆ |
| San Angelo (Mathis)..... | FSS | (915) | 655-5638 |
| | WB | (915) | 655-9780 ◆ |
| San Antonio (International)..... | FSS | (512) | TA6-9575 ■ |
| Tyler (Pounds)..... | FSS | (214) | LY 4-6301 |
| Victoria..... | WB | (512) | 445-1276 ◆ |
| Waco..... | FSS | (817) | PL 2-4811 |
| | WB | (817) | 754-1582 ◆ |
| Wichita Falls..... | FSS | (817) | 322-1302 |
| | WB | (817) | 322-2011 |
| Wink..... | FSS | (915) | LA 7-3351 |

UTAH

| | | | |
|---------------------------------------|-----|-------|-------------------------|
| Bryce Canyon..... | FSS | (801) | 834-5311 |
| Cedar City..... | FSS | (801) | JU 6-9131 |
| Delta..... | FSS | (801) | 4741 (0600-1800) |
| Hanksville..... | FSS | (801) | Hanksville 8 |
| Millford..... | WB | (801) | 387-2361 (0900-1700) |
| Ogden..... | WB | (801) | 399-5806 |
| Salt Lake City (Municipal No. 1)..... | FSS | (801) | 524-5183 ■ |
| | WB | (801) | 364-5571 |
| Wendover..... | WB | (801) | 665-2382 (0430-2015) |

VERMONT

| | | | |
|------------------------------------|-----|-------|-------------------------------|
| Burlington..... | WB | (802) | 862-2475 (0600-2300) |
| Montpelier (Barre-Montpelier)..... | FSS | (802) | 223-2376 |
| | FSS | (802) | 878-3393 (from Burlington) |

VIRGINIA

| Location | Area Code | Telephone |
|---|-----------|---------------------------|
| Blackstone..... | FSS (703) | 292-3826 (0600-2200) |
| Bristol..... | WB (615) | 323-8242 ◆ |
| Chantilly (Dulles)..... | WB (703) | 661-8526 ◆ |
| Charlottesville (Charlottesville/Albermarle)..... | FSS (703) | 973-3909 |
| Danville..... | FSS (703) | SW 3-1163 |
| Lynchburg..... | WB (703) | 239-0345 ◆ (0600-1930) |
| Newport News (Patrick Henry)..... | FSS (703) | 877-0200 |
| Norfolk..... | WB (703) | 853-3014 ◆ |
| Richmond (Byrd Field)..... | FSS (703) | RE 7-8103 |
| | WB (703) | 737-0550 ◆ |
| Roanoke (Woodrum)..... | FSS (703) | 362-1668 ■ |

WASHINGTON

| | | |
|--------------------------------|-----------|-------------------------|
| Bellingham..... | FSS (206) | 734-6400 |
| Ephrata..... | FSS (509) | SK 4-2361 |
| Hoquiam (Bowerman)..... | FSS (206) | GE 9-3432 |
| Olympia..... | WB (206) | 357-8386 |
| Seattle (Boeing)..... | FSS (206) | RO 2-4000 |
| | WB (206) | 682-3655 ★ |
| Spokane (Felts)..... | FSS (509) | KE 5-2906 |
| | WB (509) | 624-5674 ◆ |
| Toledo (Toledo-Winlock)..... | FSS (206) | 864-2371 (0500-2100) |
| Walla Walla (City-County)..... | FSS (509) | JA 9-1413 |
| Wenatchee (Pangborn)..... | FSS (509) | TU 4-5654 |
| Yakima..... | FSS (509) | GL 3-9862 |
| | WB (509) | GL 7-4371 |

WEST VIRGINIA

| | | |
|--------------------------------|-----------|------------|
| Beckley..... | WB (304) | 252-3171 ◆ |
| Bluefield (Mercer County)..... | FSS (304) | 325-6521 |
| Charleston (Kanawha)..... | FSS (304) | 342-1371 ■ |
| Elkins (Randolph)..... | FSS (304) | 636-0810 |
| | WB (304) | 636-1246 ◆ |
| Huntington (Tri-State)..... | FSS (304) | GL 3-1412 |
| | WB (304) | 453-3674 ◆ |
| Martinsburg..... | FSS (304) | AM 3-9353 |

WEST VIRGINIA (Con't)

| Location | Area Code | Telephone |
|--------------------------------|-----------|--|
| Morgantown..... | FSS (304) | 292-3632 |
| Parkersburg (Wood County)..... | FSS (304) | 485-6421 |
| | WB (304) | 422-3661 (0700-1400 Mon-Fri) (0700-1200 Sat) |
| Wheeling (Ohio County)..... | FSS (304) | CR 7-1252 |

WISCONSIN

| | | |
|-----------------------------------|-----------|------------|
| Eau Claire..... | FSS (715) | 835-9642 |
| Green Bay (Austin Straubel)..... | FSS (414) | 494-7417 ■ |
| La Crosse..... | FSS (608) | 785-1225 ■ |
| Lone Rock (Tri-County)..... | FSS (608) | 583-2661 |
| Madison (Traux)..... | FSS (608) | 244-1033 |
| | WB (608) | 249-8644 ◆ |
| Milwaukee (General Mitchell)..... | FSS (414) | 481-4414 |
| | FSS (414) | 481-6116 |
| | WB (414) | 744-7810 ★ |
| | WB (414) | 744-5860 ◆ |
| Wausau..... | FSS (715) | 845-7396 |

WYOMING

| | | |
|------------------------------------|-----------|-------------------------------------|
| Casper (Air Terminal)..... | FSS (307) | 234-5053 |
| | WB (307) | 234-1201 ◆ |
| Cheyenne..... | FSS (307) | 638-9711 |
| | WB (307) | 638-3642 ◆ |
| Lander..... | WB (307) | 332-2718 |
| Laramie (General Brees Field)..... | FSS (307) | 745-4010 |
| Rawlins..... | FSS (307) | 324-3241 |
| Rock Springs..... | FSS (307) | 362-2121 |
| Sheridan (Sheridan County)..... | FSS (307) | 674-4321 |
| | WB (307) | 674-8639 ◆ (0400-1800) daily) |
| Worland..... | FSS (307) | 347-4122 |

PUERTO RICO

| | | |
|-----------------------------------|------|----------|
| San Juan (Puerto Rico Int'l)..... | IFSS | 791-1780 |
| | WB | 791-0320 |

VIRGIN ISLANDS

| | | |
|---|-----|----------|
| St. Croix (Christiansted, Alexander Hamilton) | FSS | 773-1425 |
|---|-----|----------|

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Airman's Information Manual

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